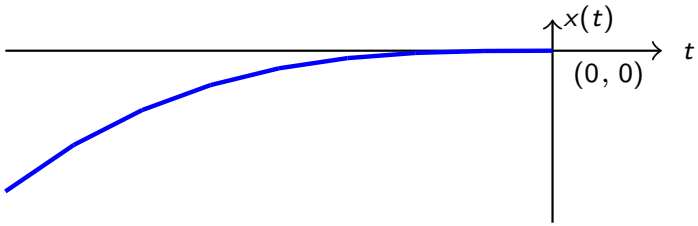
Example: $x(t) = \frac{1}{6} \cdot t^3$

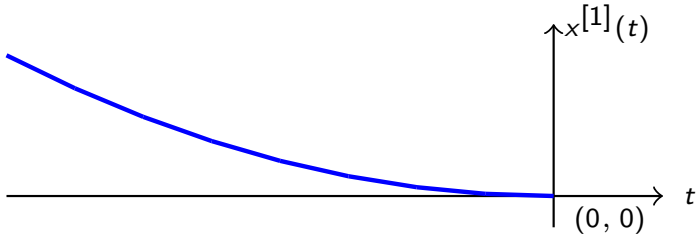
Example: $x(t) = \frac{1}{6} \cdot t^3 \qquad x^{[1]}(t) = \frac{1}{2} \cdot t^2$

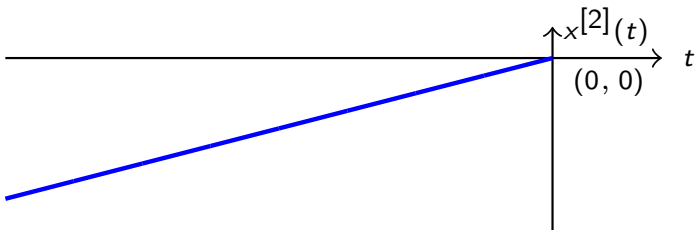
Example: $x(t) = \frac{1}{6} \cdot t^3 \qquad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \qquad x^{[2]}(t) = \frac{1}{2} \cdot t$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

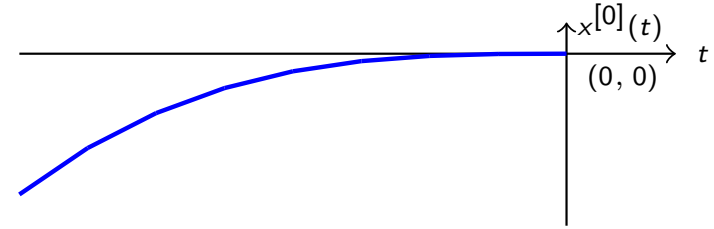
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

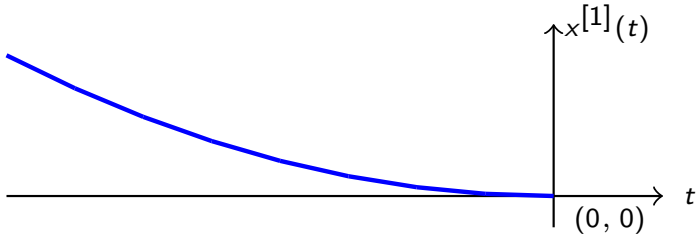


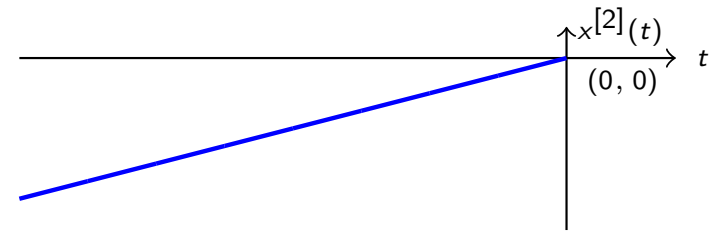




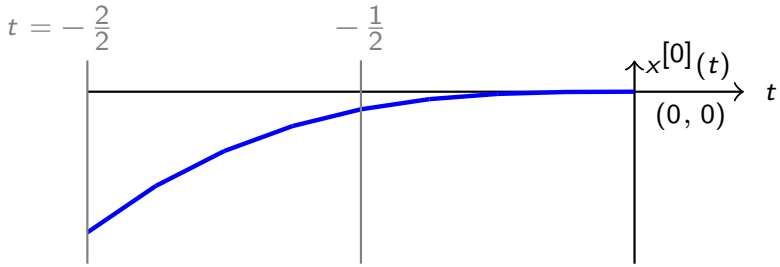
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

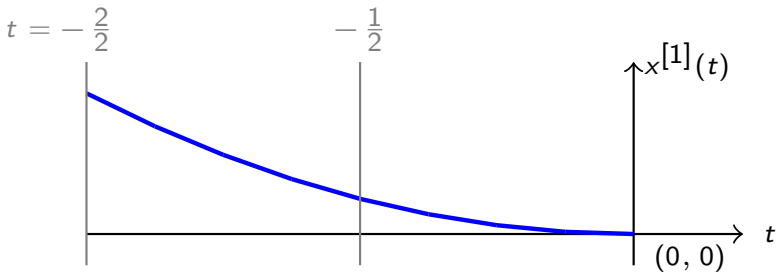


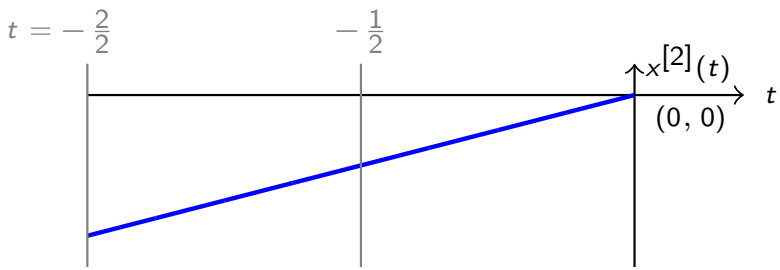




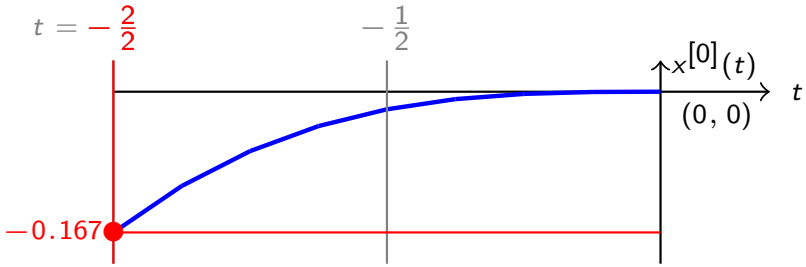
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

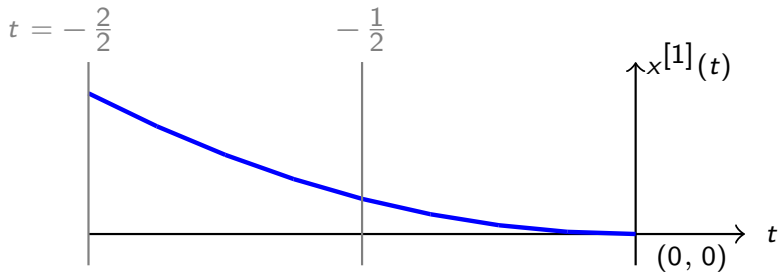


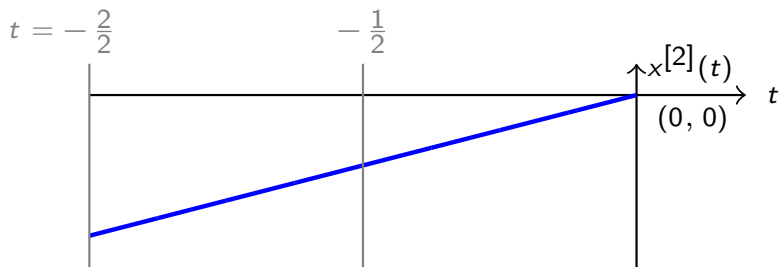




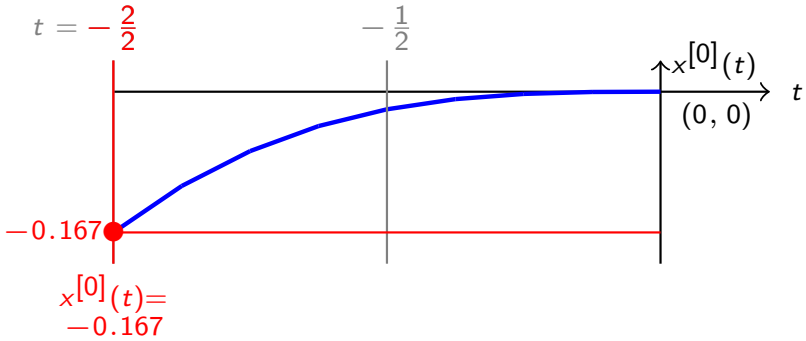
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

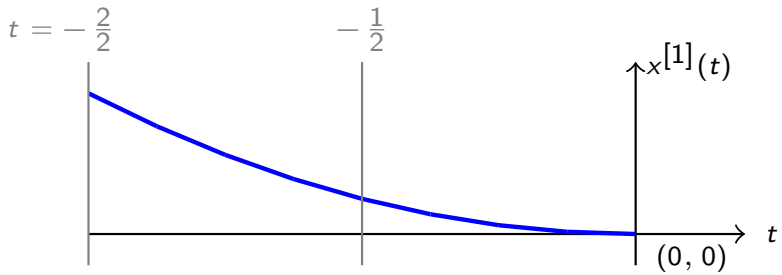


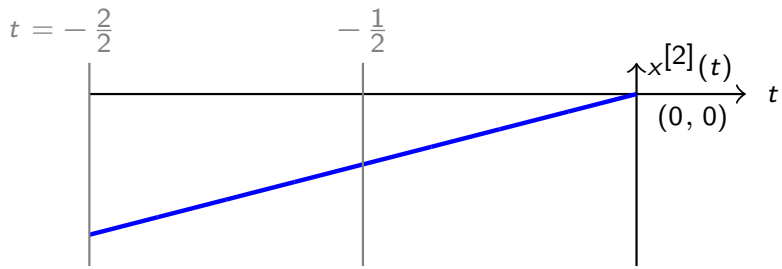




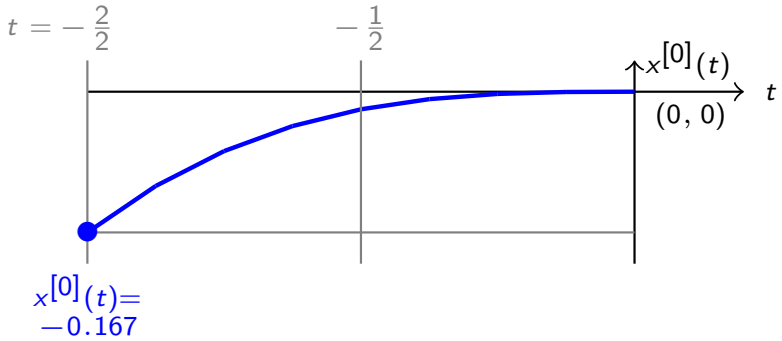
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

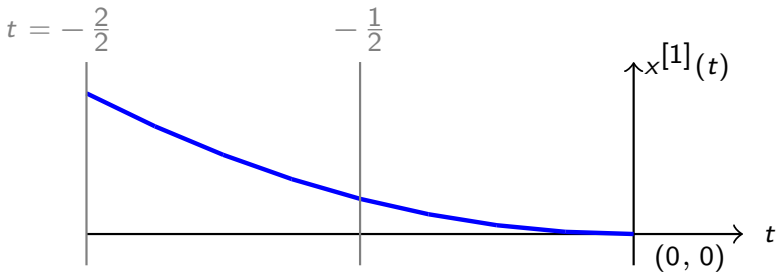


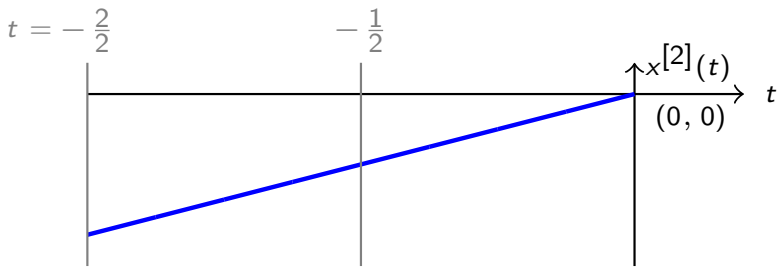




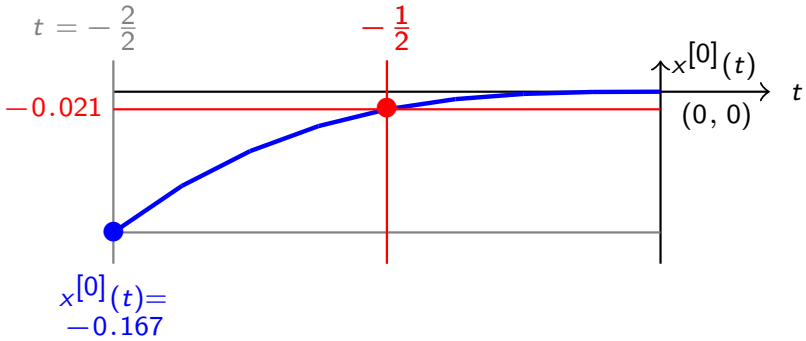
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

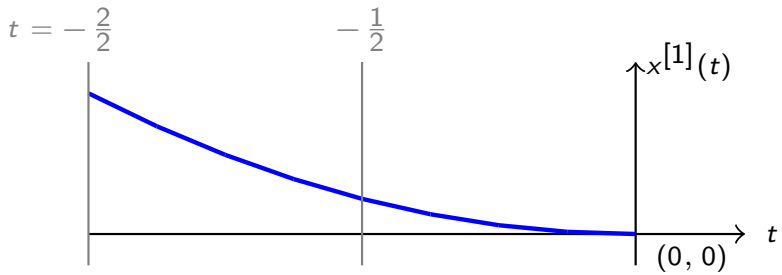


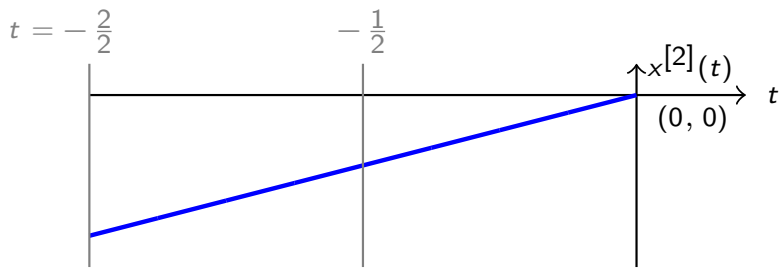




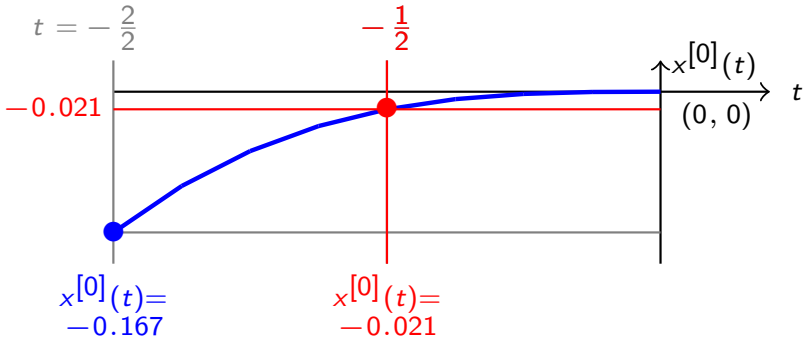
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

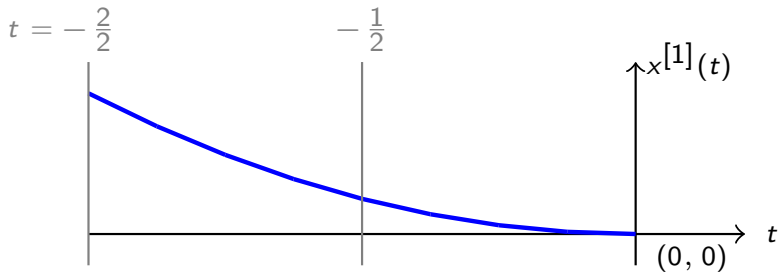


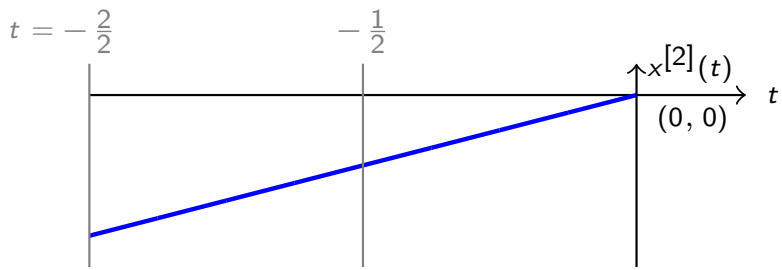




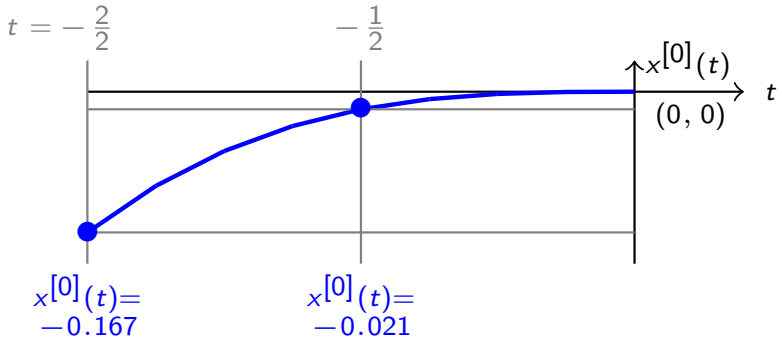
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

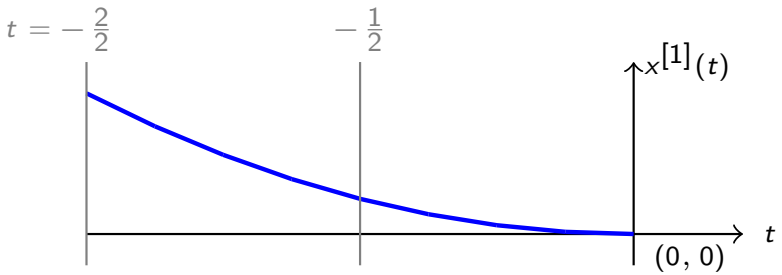


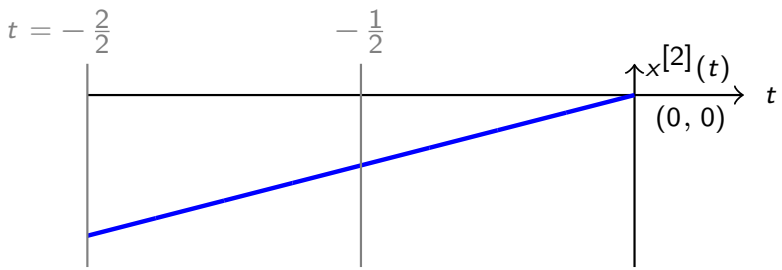




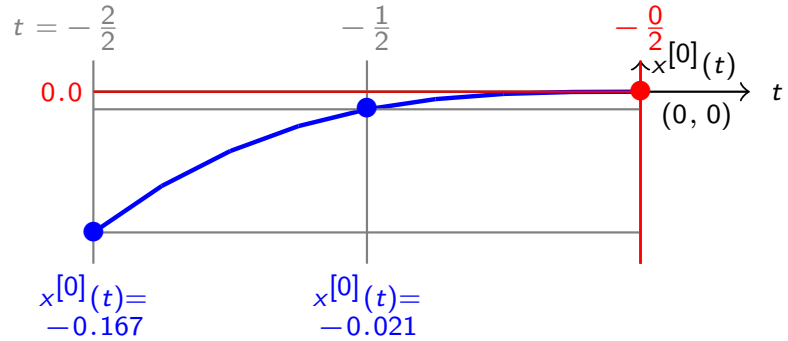
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

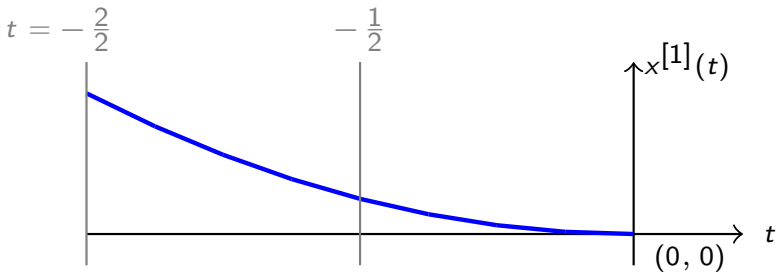


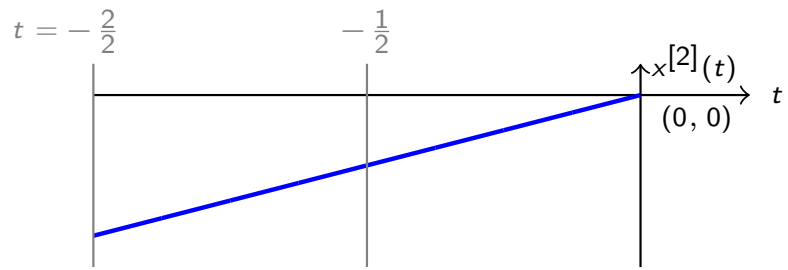




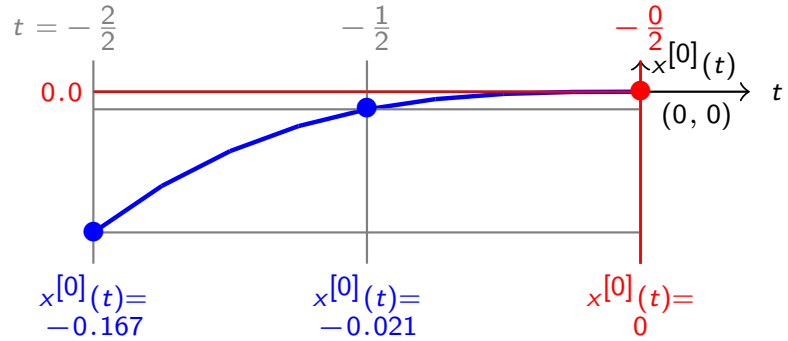
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

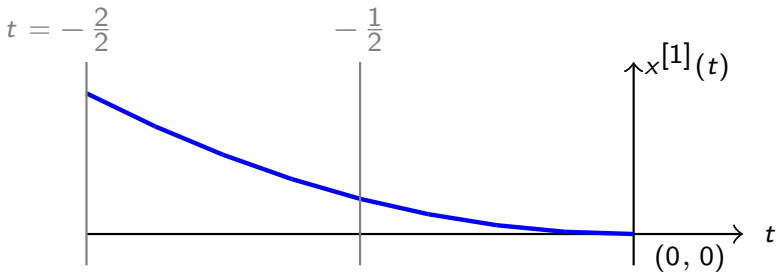


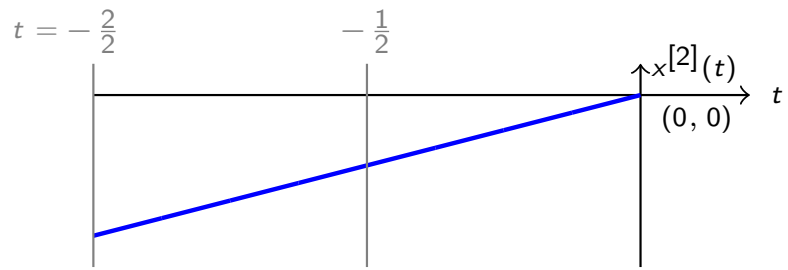




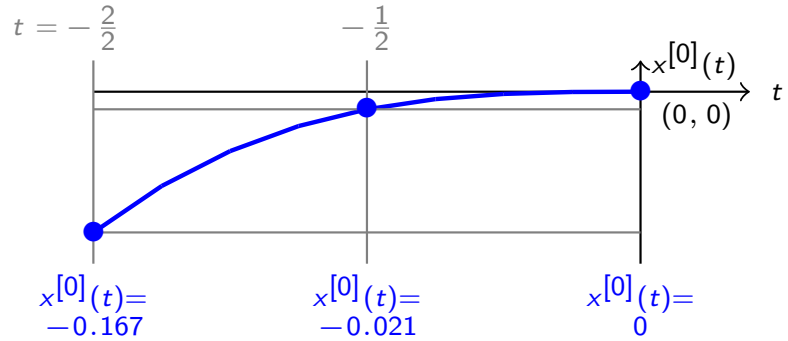
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

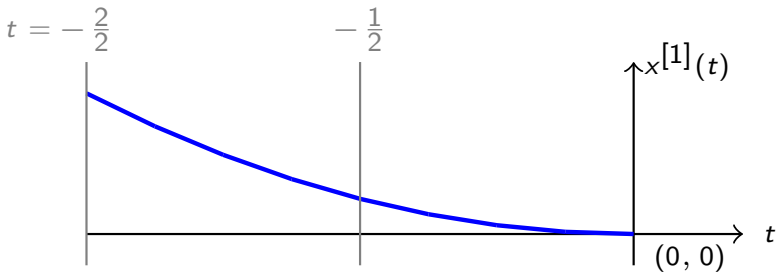


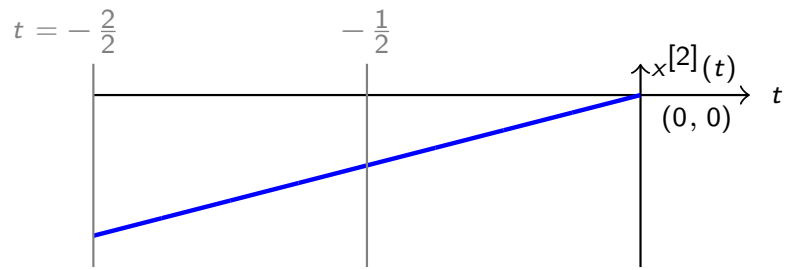




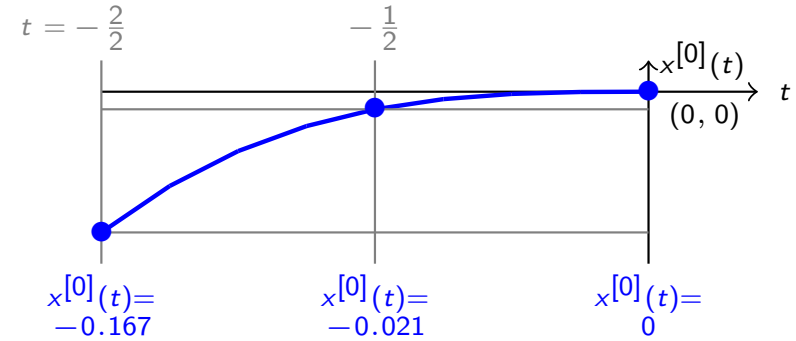
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

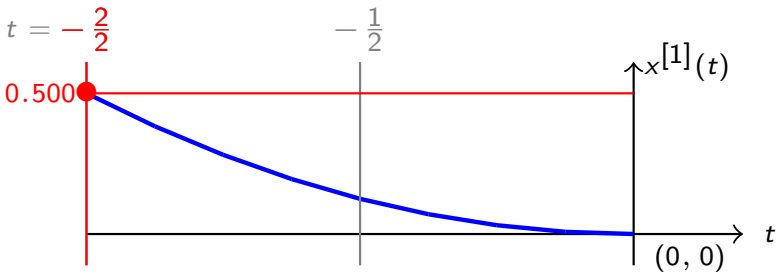


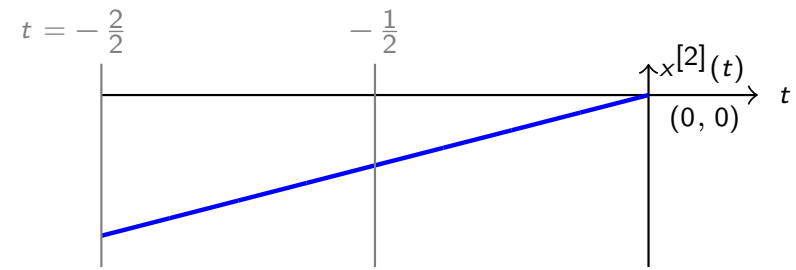




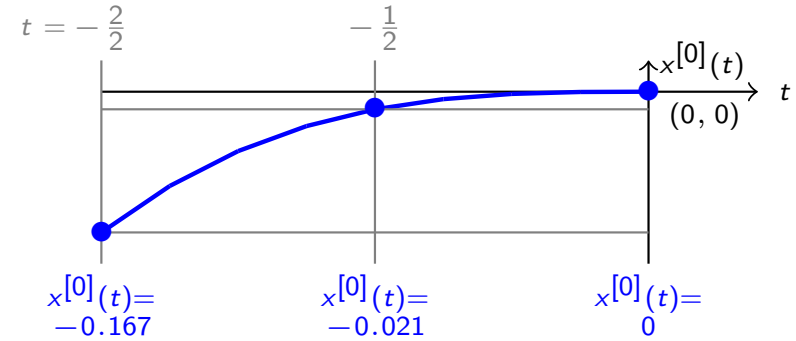
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

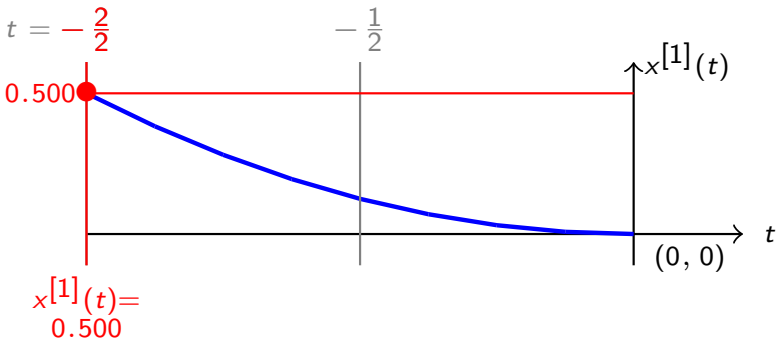


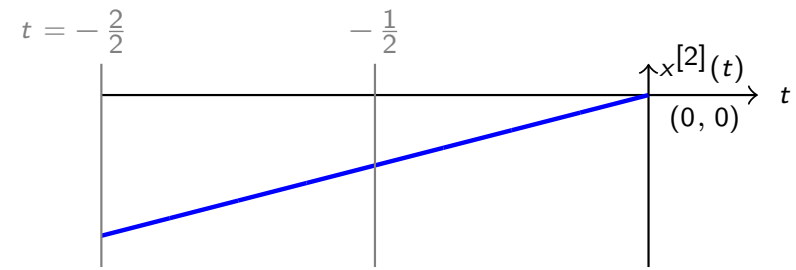




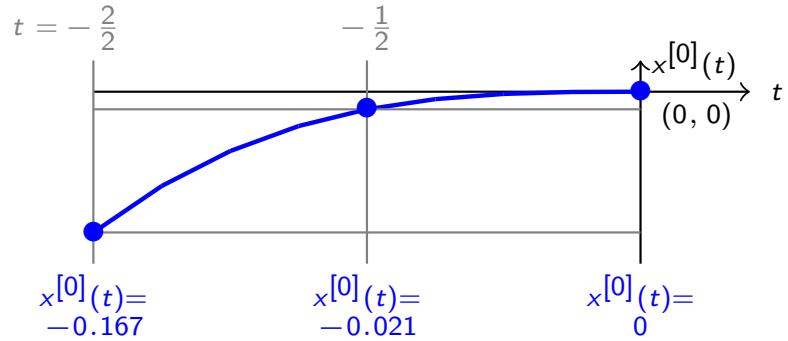
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

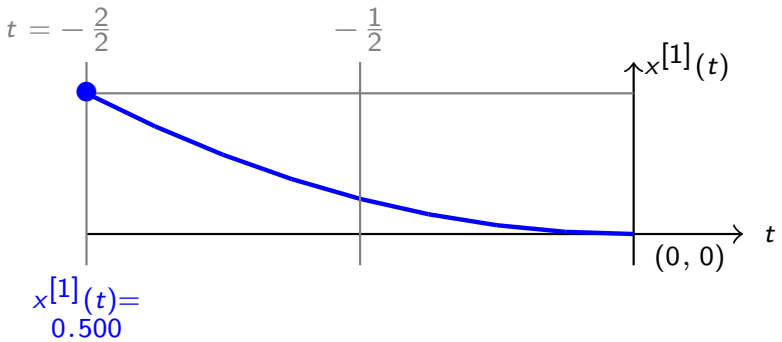


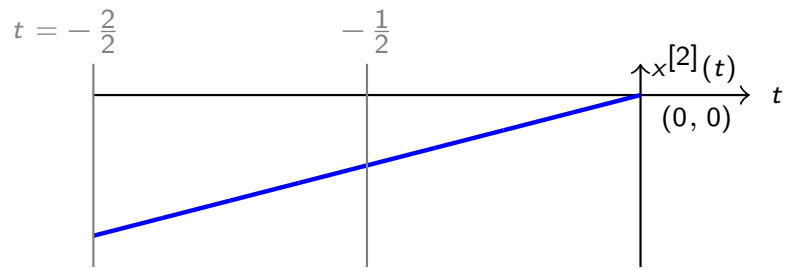




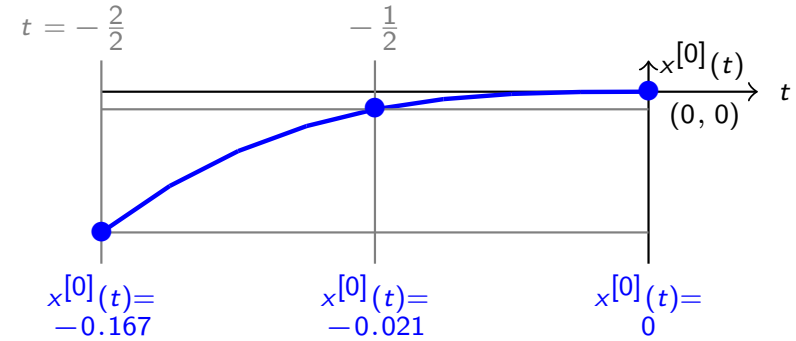
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

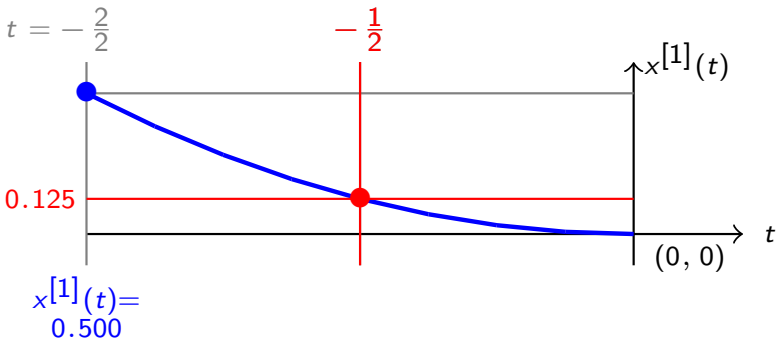


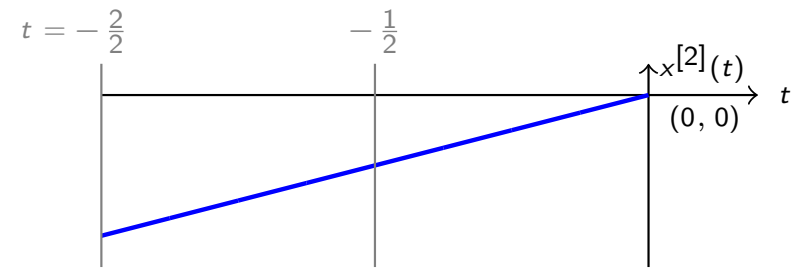




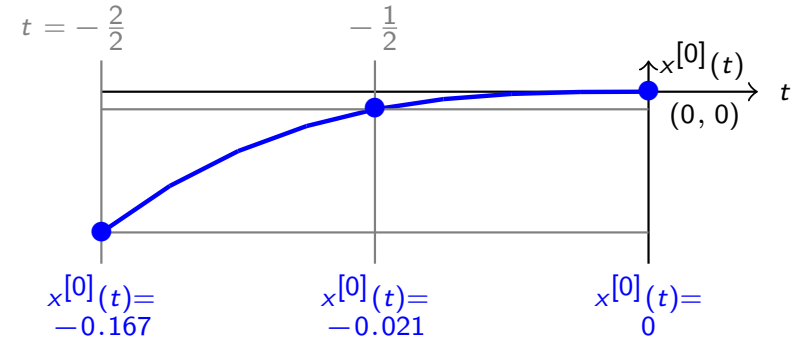
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

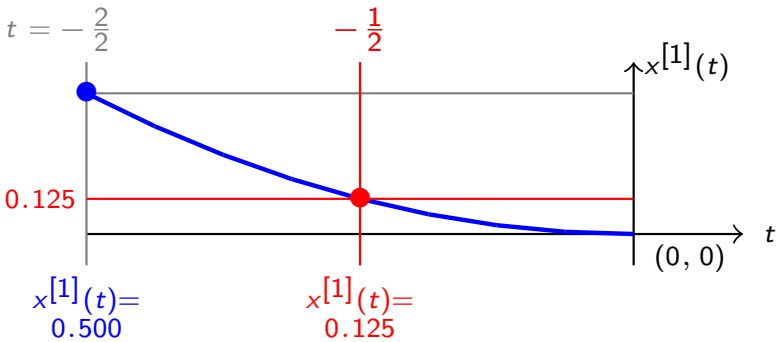


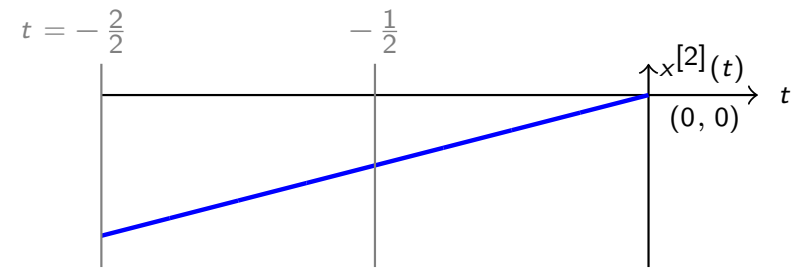




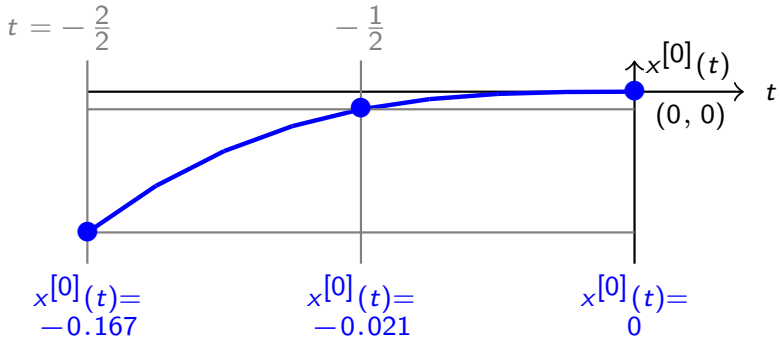
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

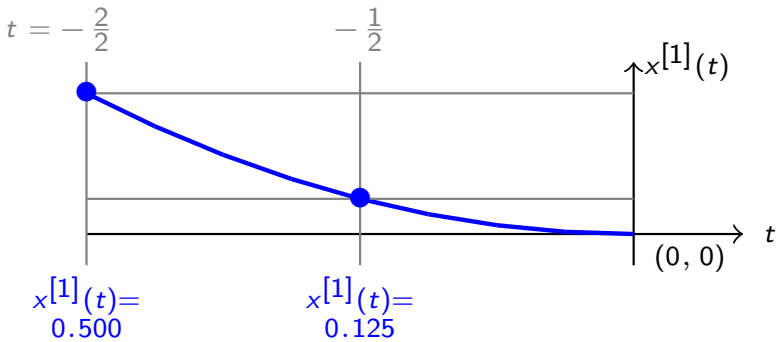


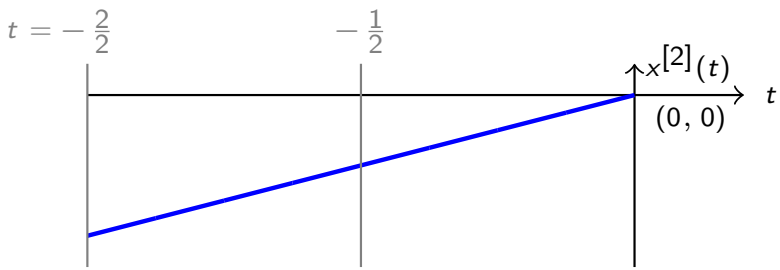




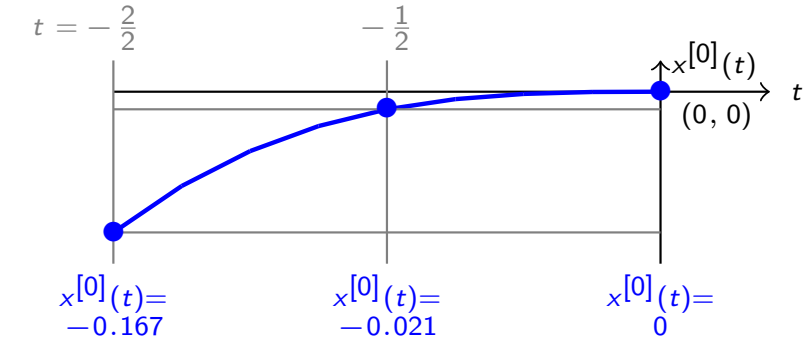
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

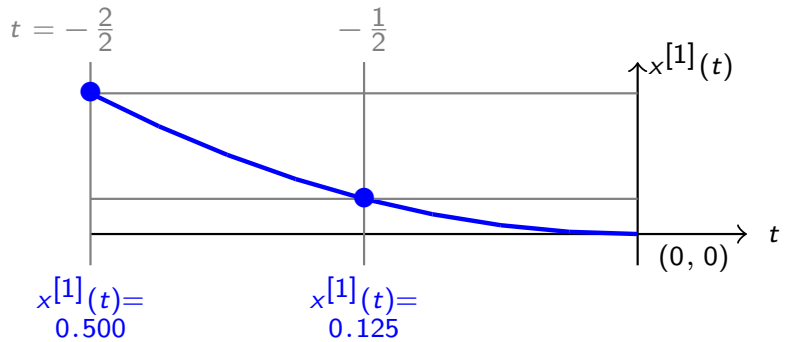


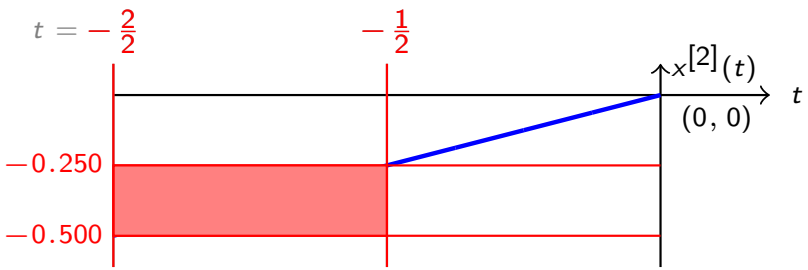




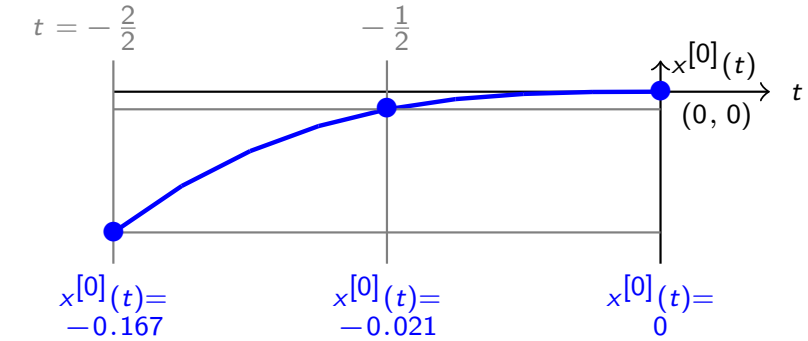
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

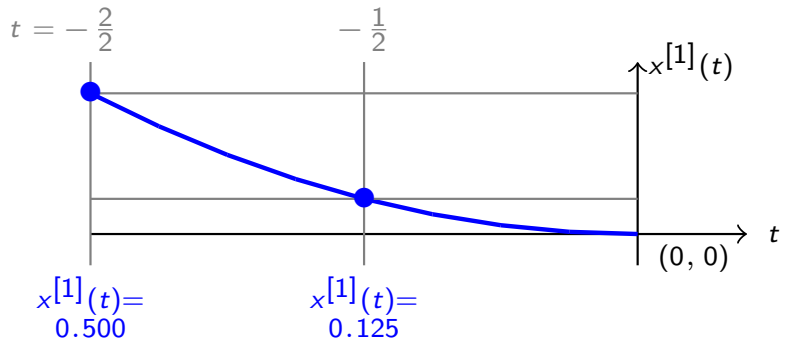


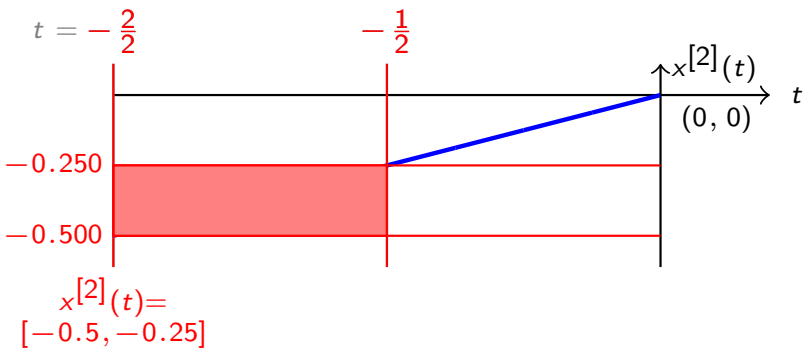




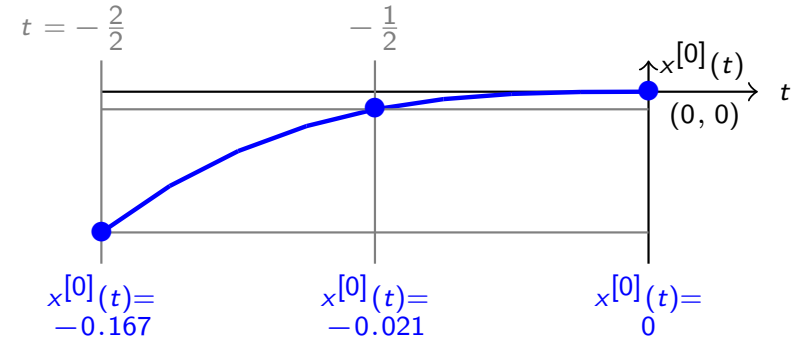
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

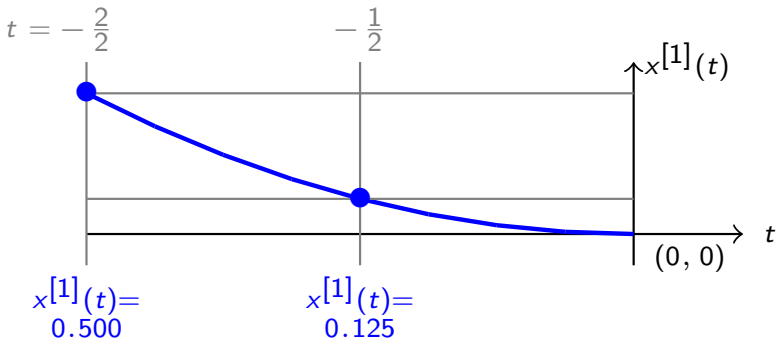


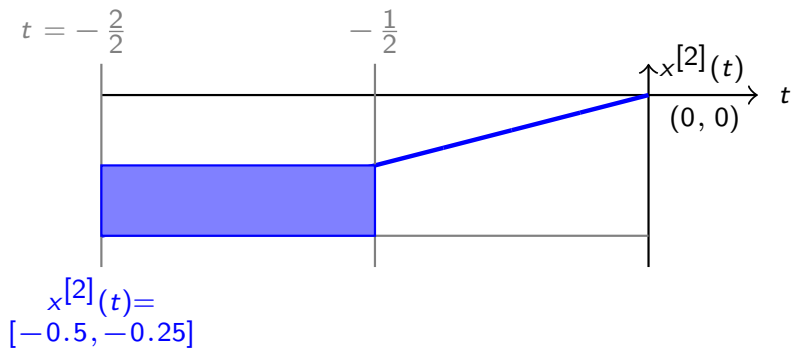




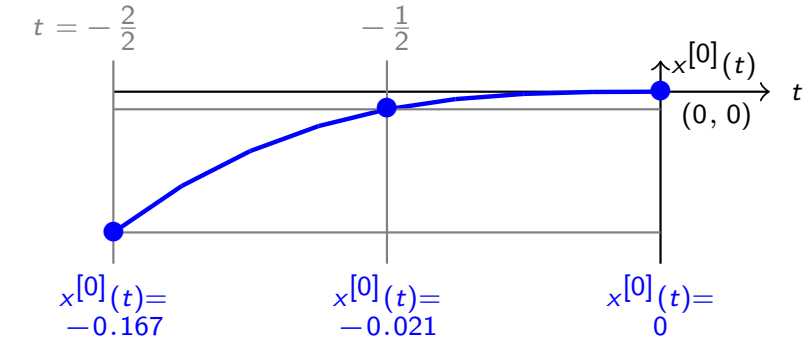
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

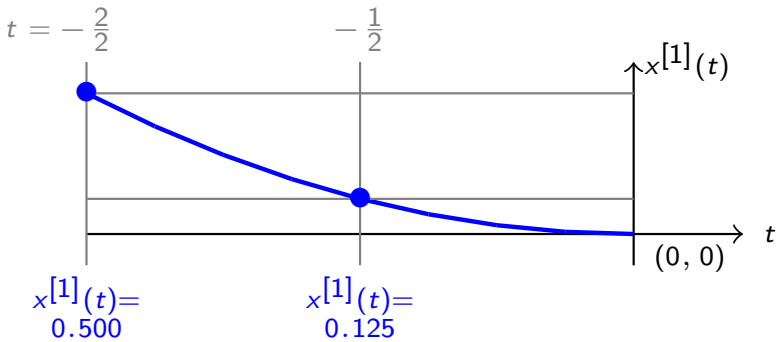


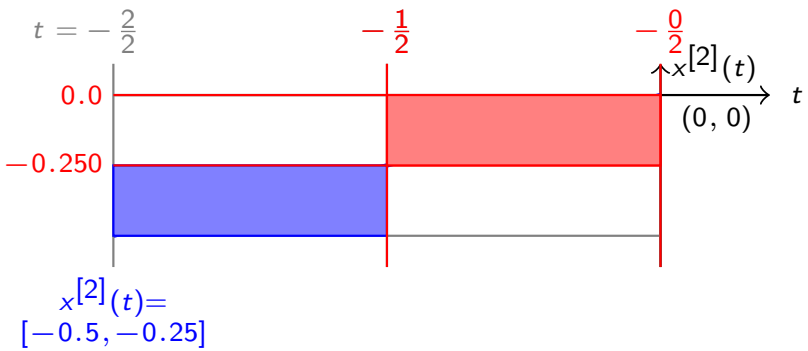




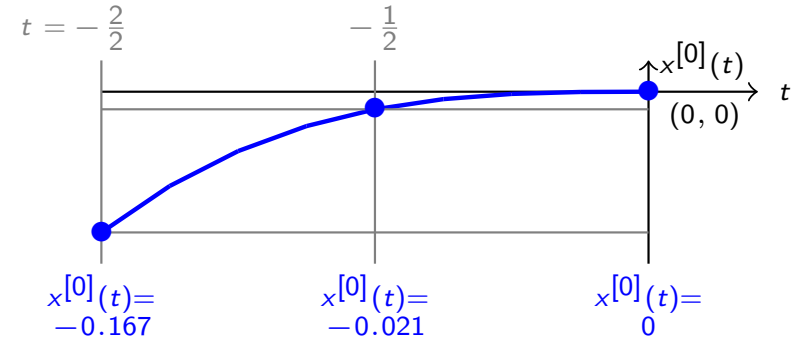
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

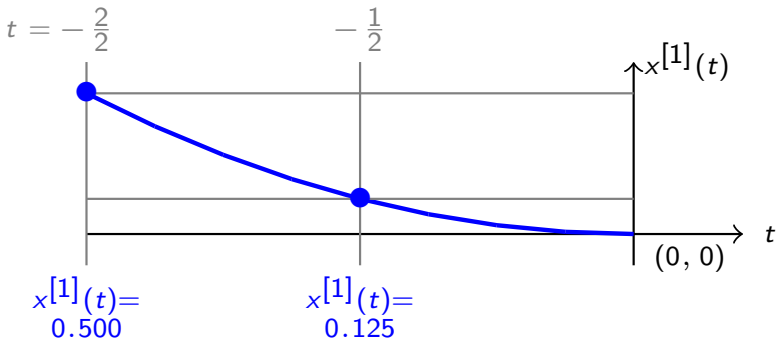


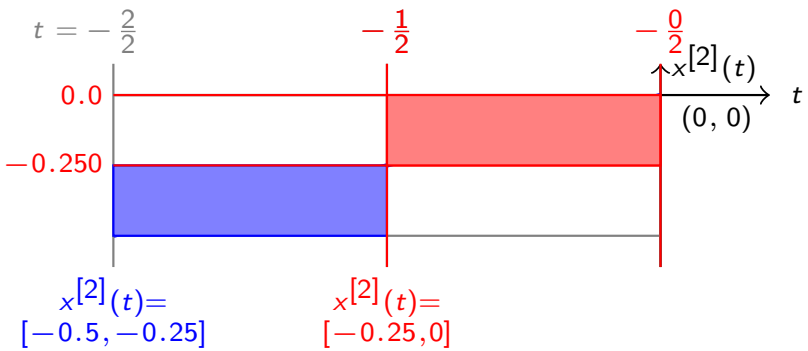




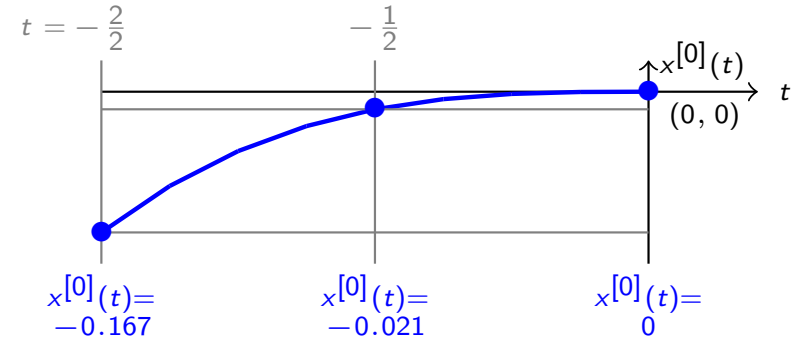
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

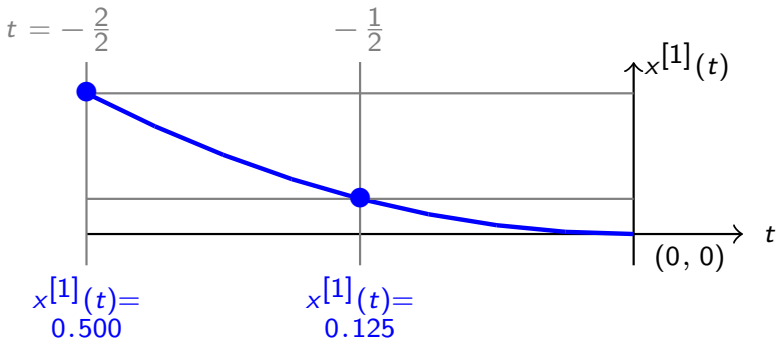


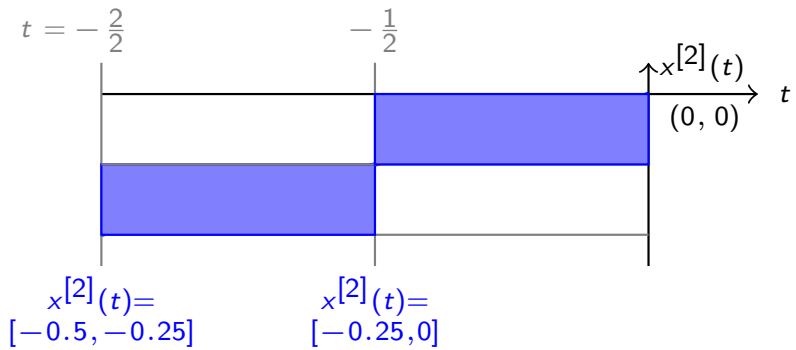




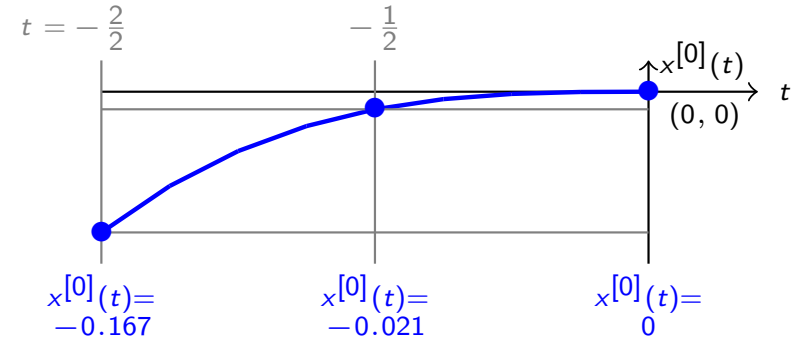
Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

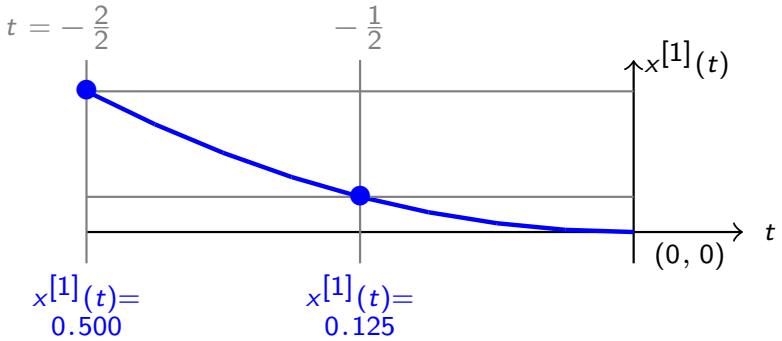


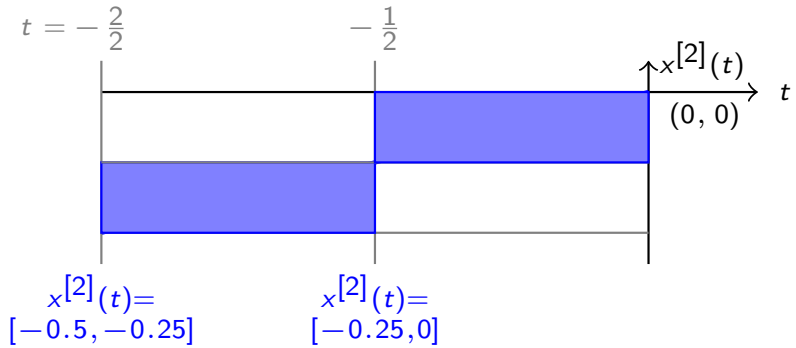




Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





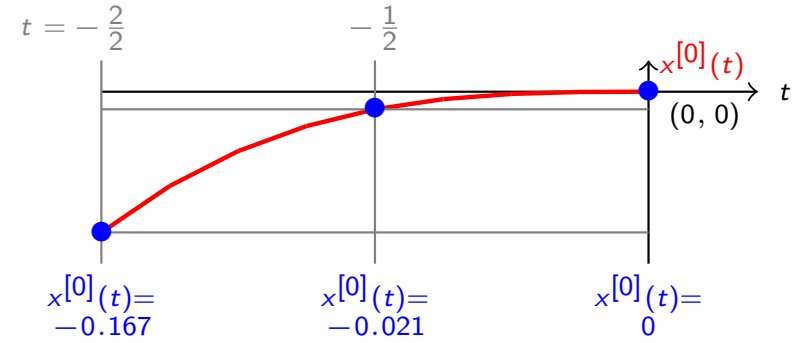


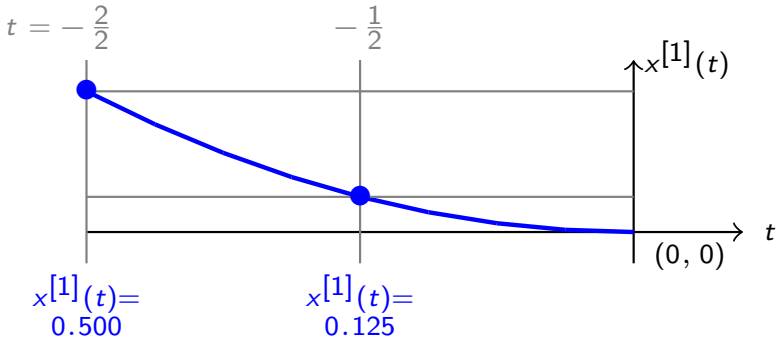
$x^{2,[0]}$ $x^{1,[0]}$ $x^{0,[0]}$

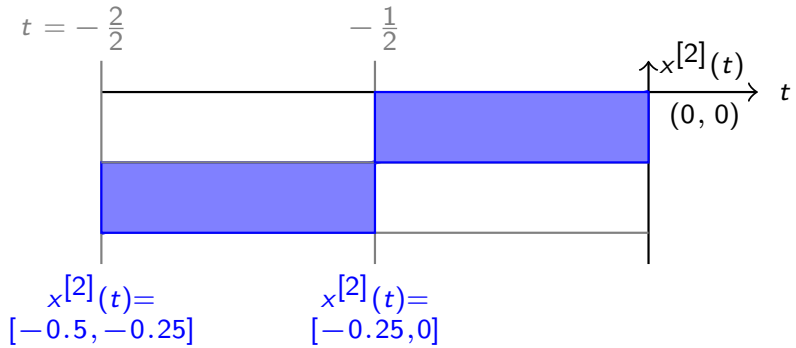
$x^{2,[1]}$ $x^{1,[1]}$

$x^{2,[2]}$ $x^{1,[2]}$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





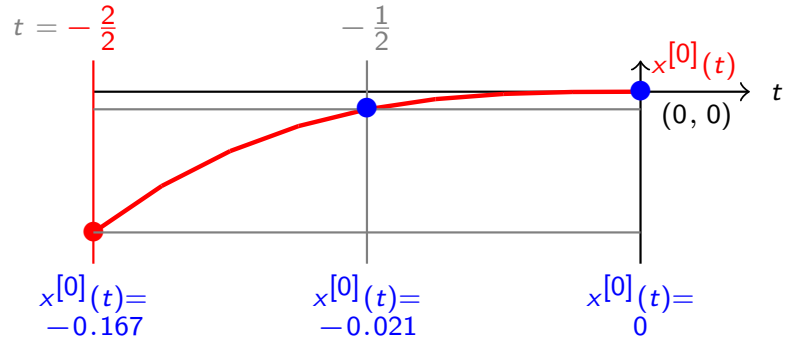


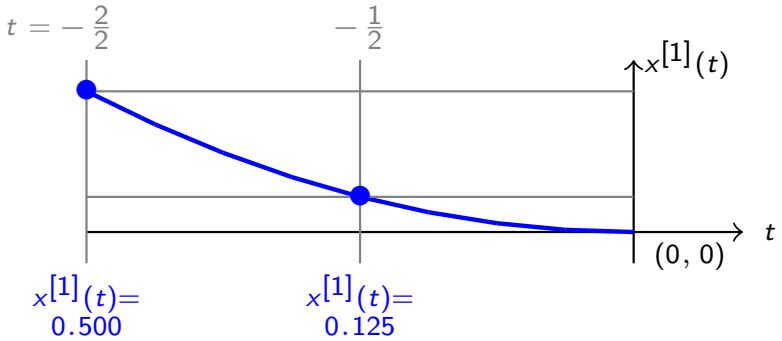
$x^{2,[0]}$ $x^{1,[0]}$ $x^{0,[0]}$

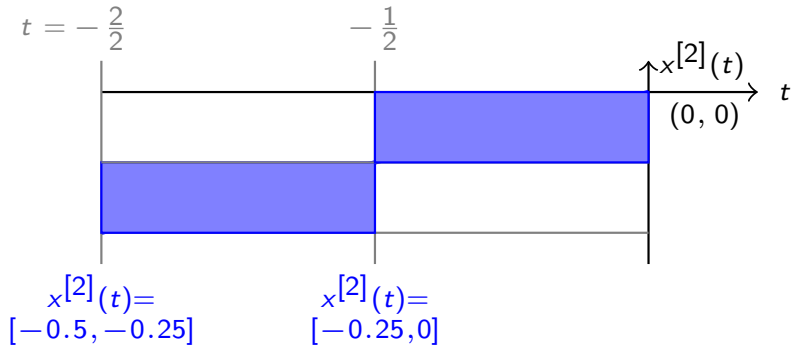
$x^{2,[1]}$ $x^{1,[1]}$

$x^{2,[2]}$ $x^{1,[2]}$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





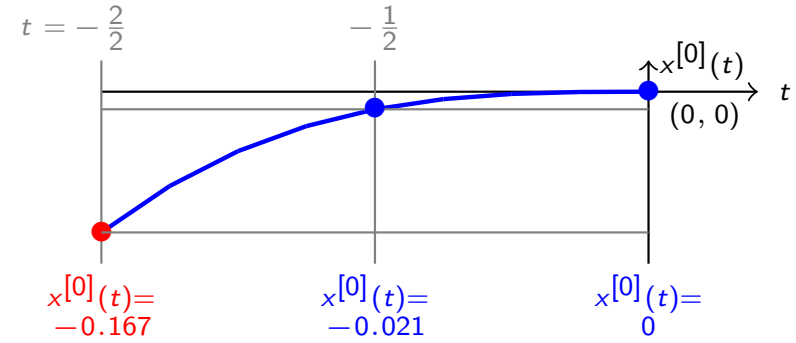


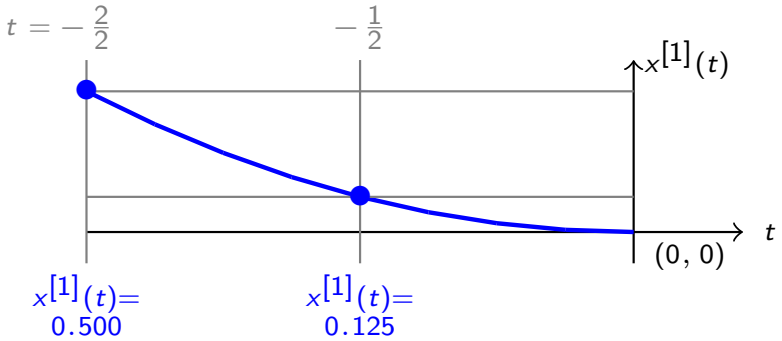
$x^{2,[0]}$ $x^{1,[0]}$ $x^{0,[0]}$

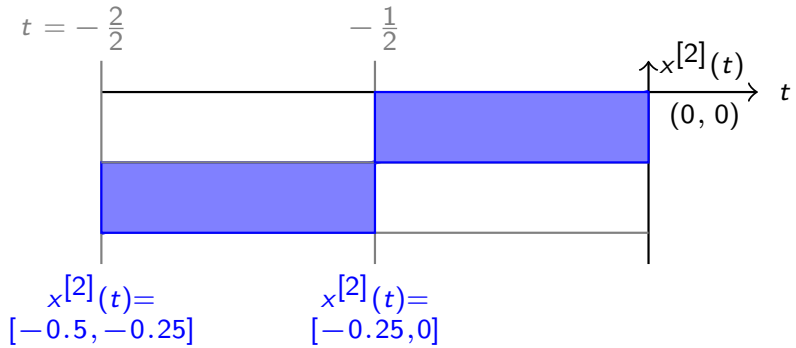
$x^{2,[1]}$ $x^{1,[1]}$

$x^{2,[2]}$ $x^{1,[2]}$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





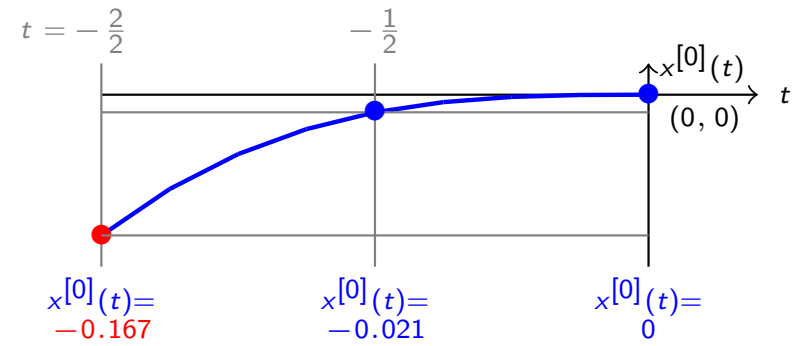


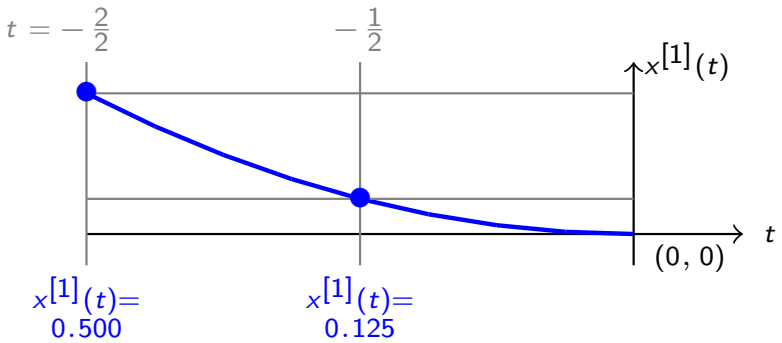
$x^{2,[0]}$ $x^{1,[0]}$ $x^{0,[0]}$

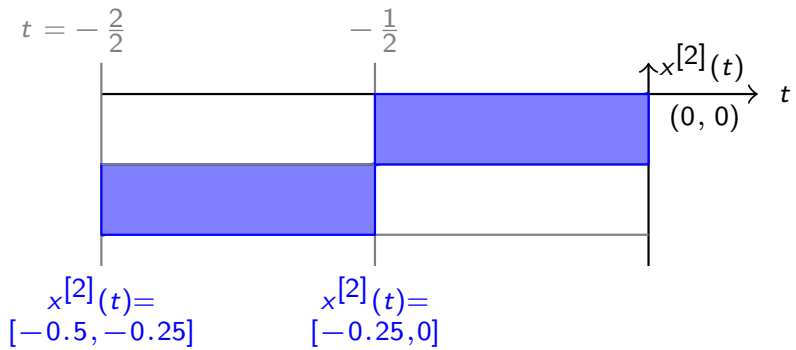
$x^{2,[1]}$ $x^{1,[1]}$

$x^{2,[2]}$ $x^{1,[2]}$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





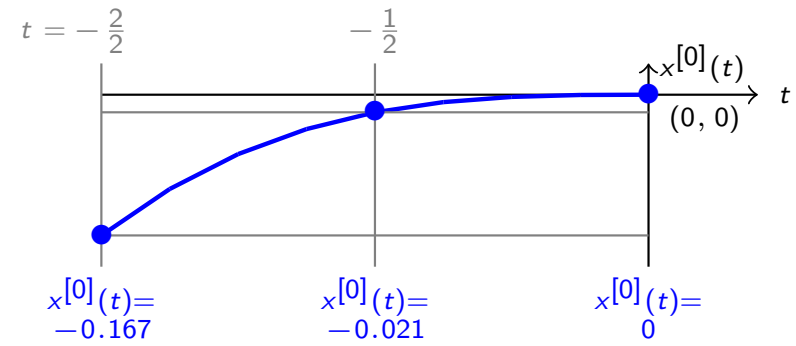


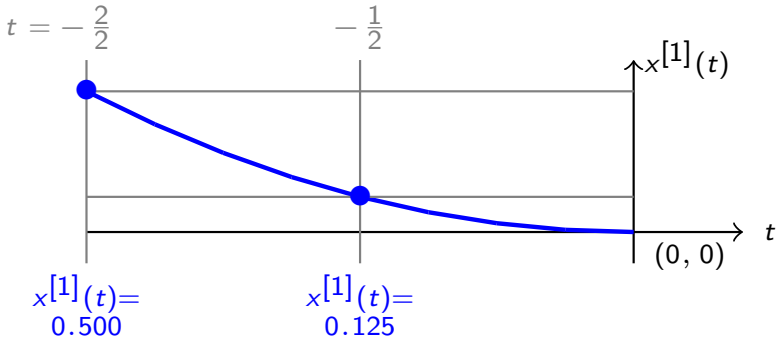
-0.167 $x^{1,[0]}$ $x^{0,[0]}$

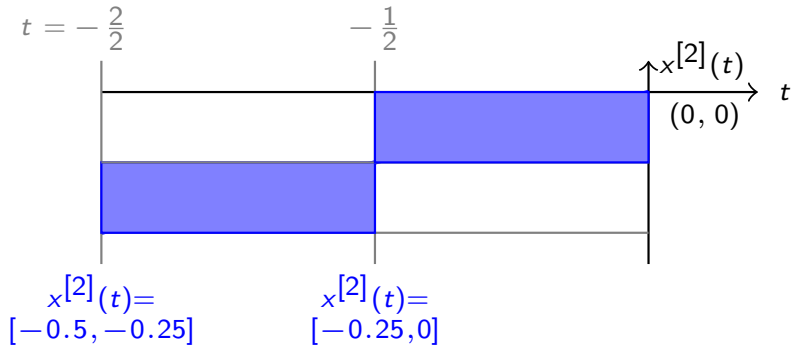
$x^{2,[1]}$ $x^{1,[1]}$

$x^{2,[2]}$ $x^{1,[2]}$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





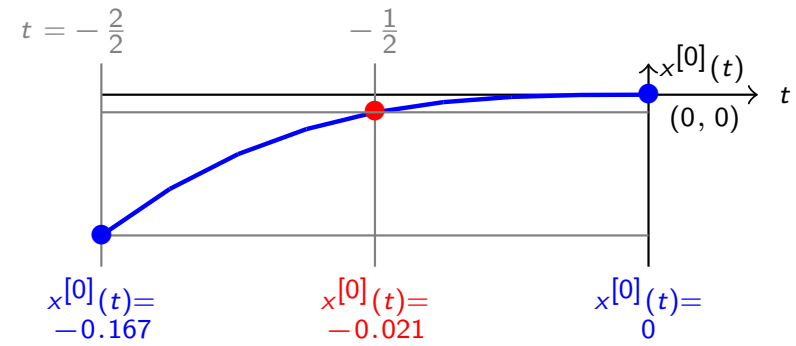


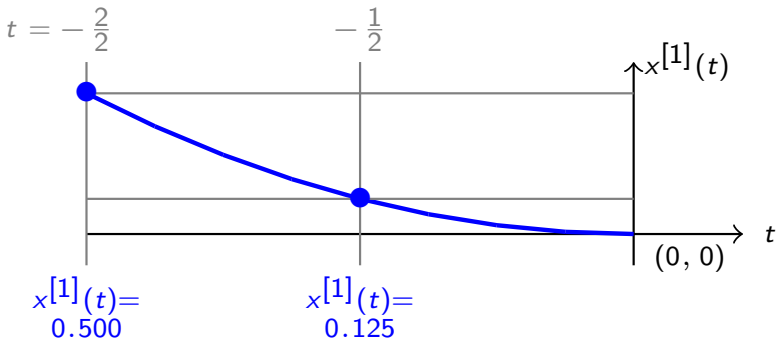
$-0.167 \qquad x^{1,[0]} \qquad x^{0,[0]}$

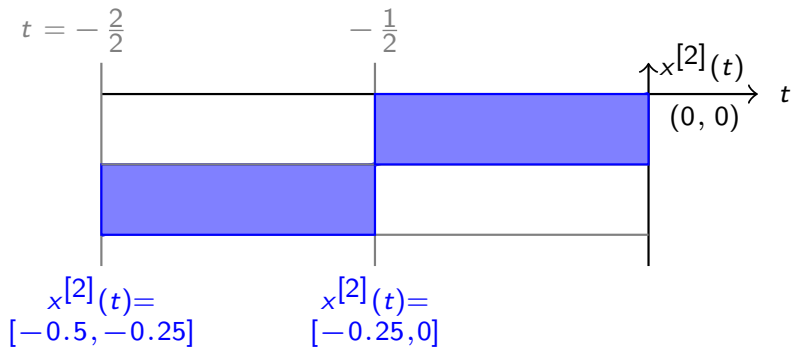
$x^{2,[1]} \qquad x^{1,[1]}$

$x^{2,[2]} \qquad x^{1,[2]}$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





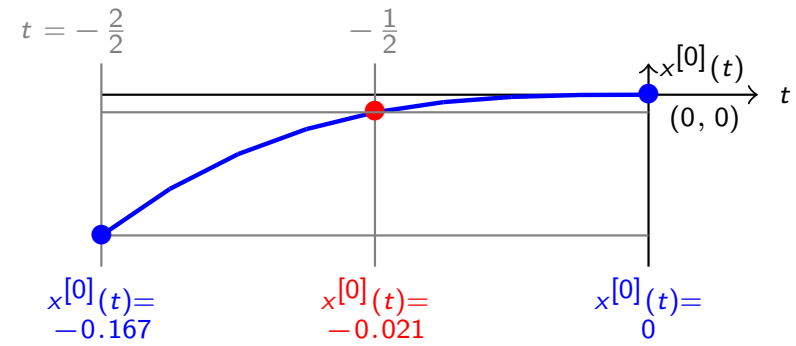


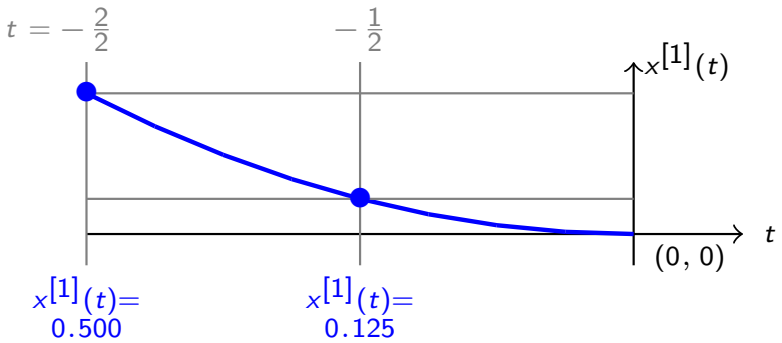
-0.167 $\quad x^{1,[0]} \quad x^{0,[0]}$

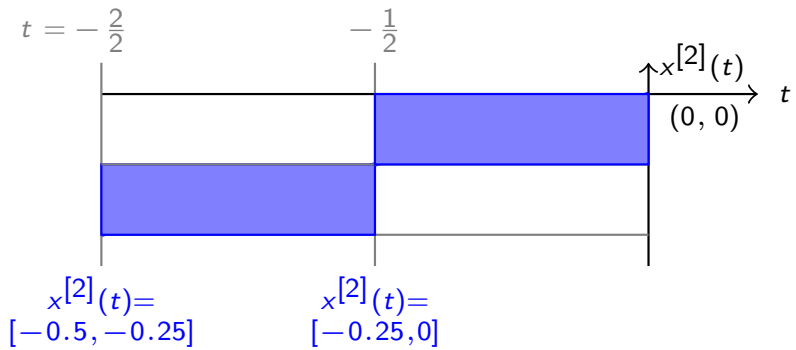
$x^{2,[1]} \quad x^{1,[1]}$

$x^{2,[2]} \quad x^{1,[2]}$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





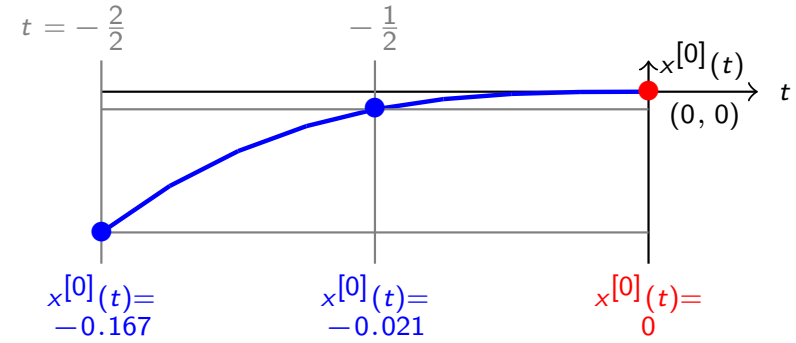


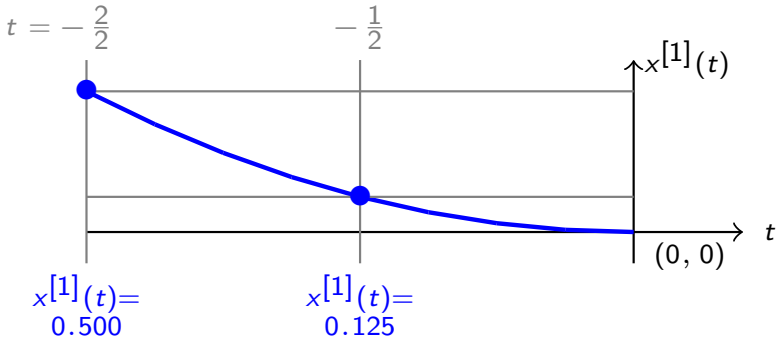
-0.167 $\quad -0.021$ $\quad x^{0,[0]}$

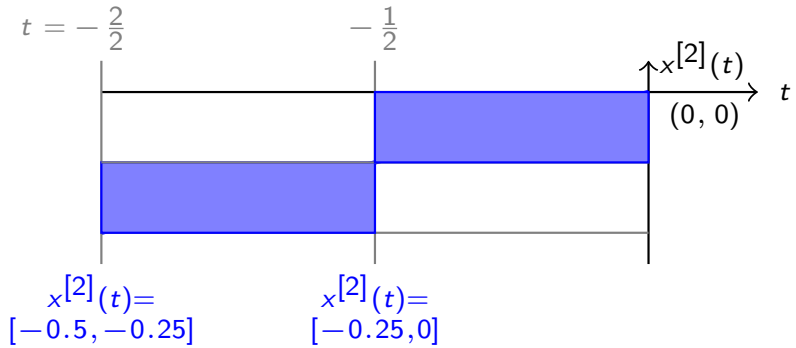
$x^{2,[1]}$ $\quad x^{1,[1]}$

$x^{2,[2]}$ $\quad x^{1,[2]}$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





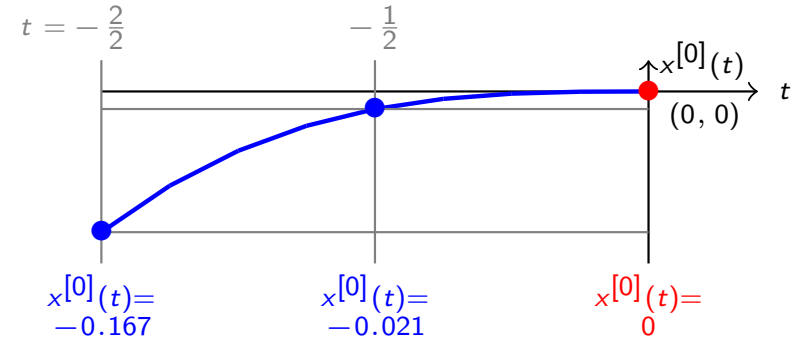


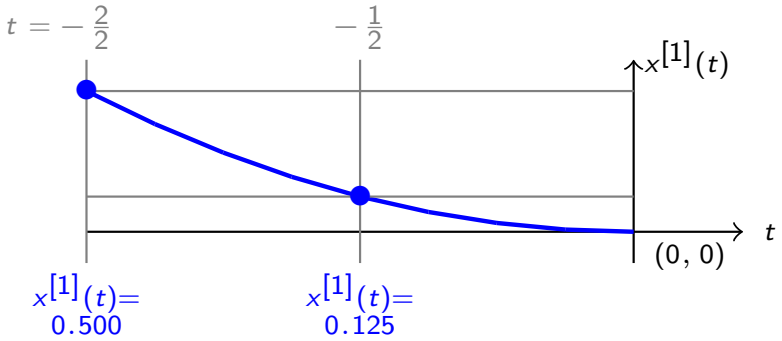
$-0.167 \qquad -0.021 \qquad x^{0,[0]}$

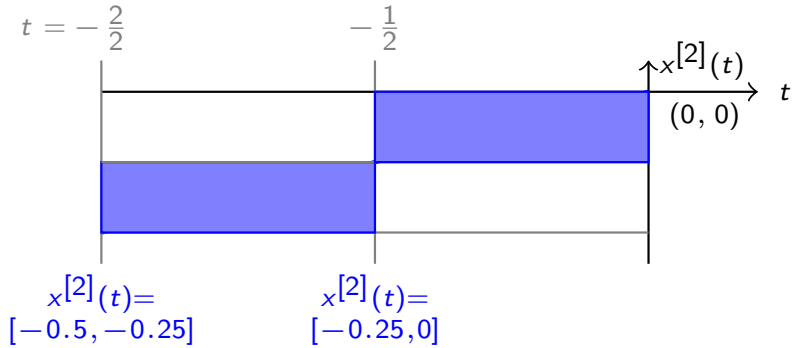
$x^{2,[1]} \qquad x^{1,[1]}$

$x^{2,[2]} \qquad x^{1,[2]}$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





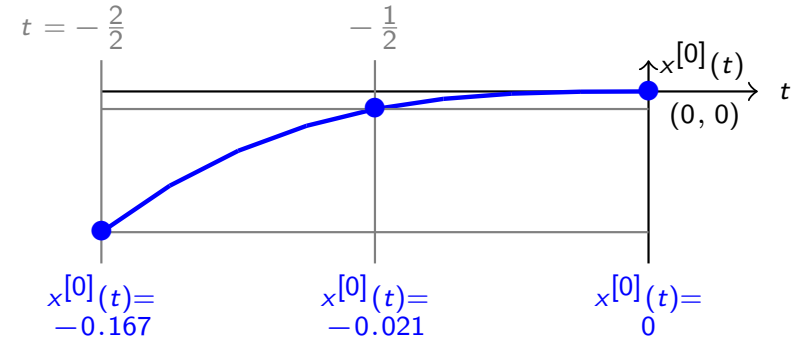


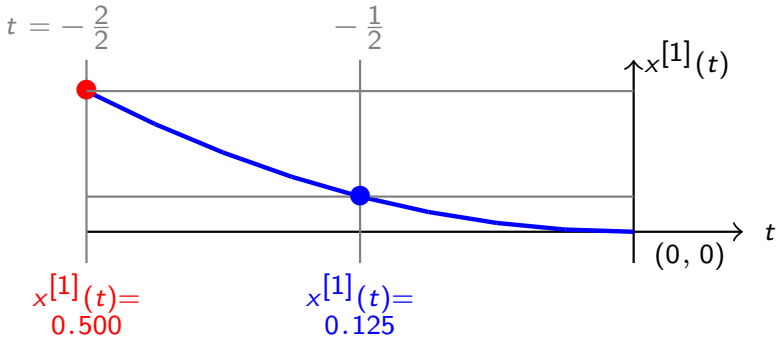
-0.167 -0.021 0.0

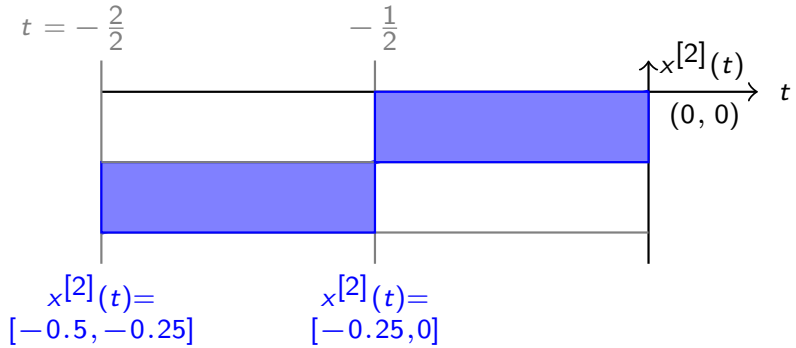
$x^{2,[1]}$ $x^{1,[1]}$

$x^{2,[2]}$ $x^{1,[2]}$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

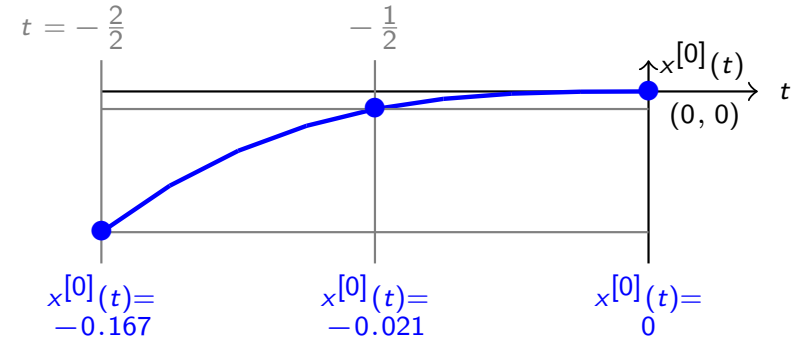


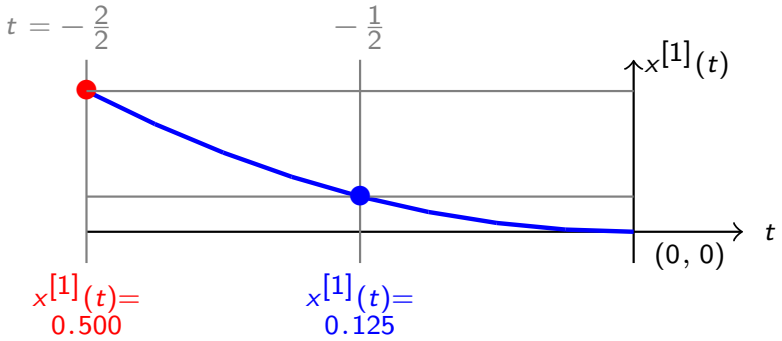


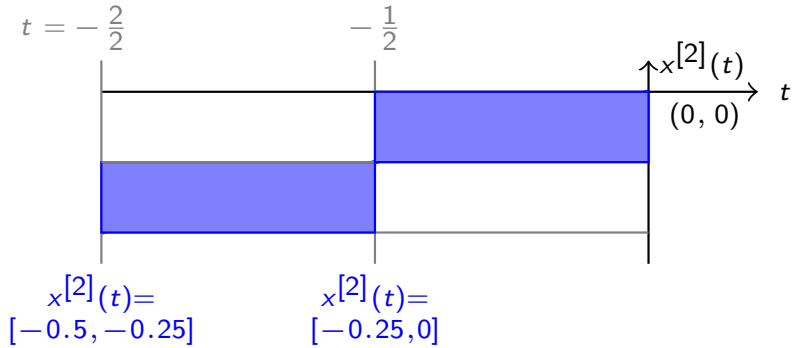


-0.167	-0.021	0.0
$x^{2,[1]}$	$x^{1,[1]}$	
$x^{2,[2]}$	$x^{1,[2]}$	

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





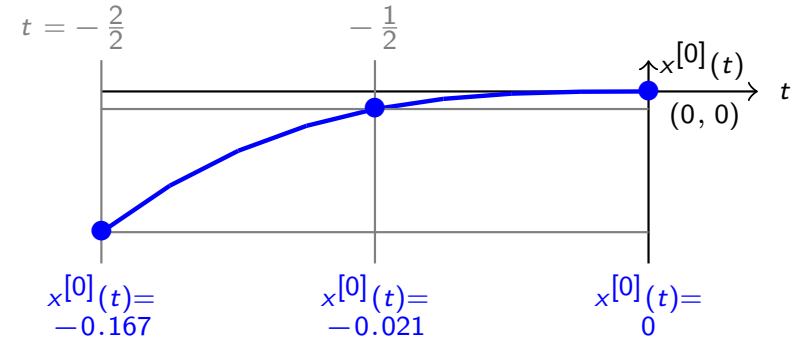


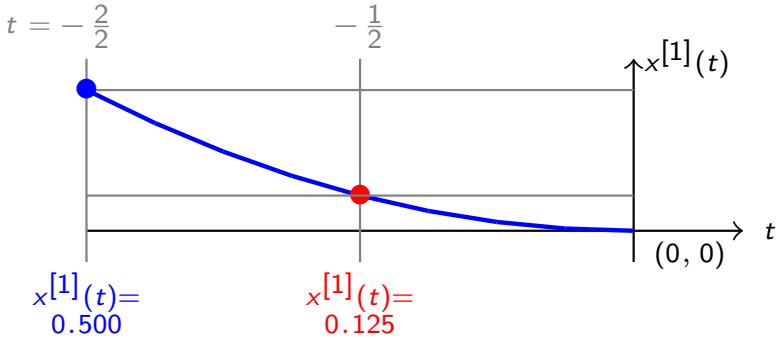
$-0.167 \quad -0.021 \quad 0.0$

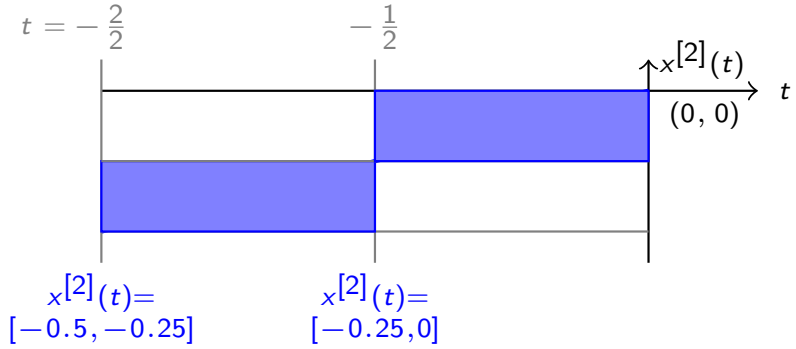
$0.5 \quad x^{1,[1]}$

$x^{2,[2]} \quad x^{1,[2]}$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





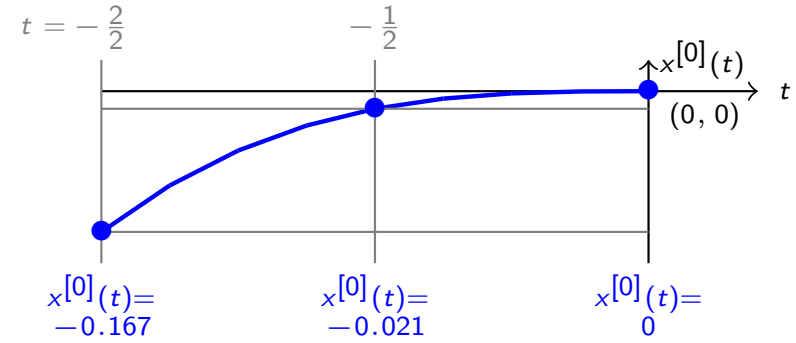


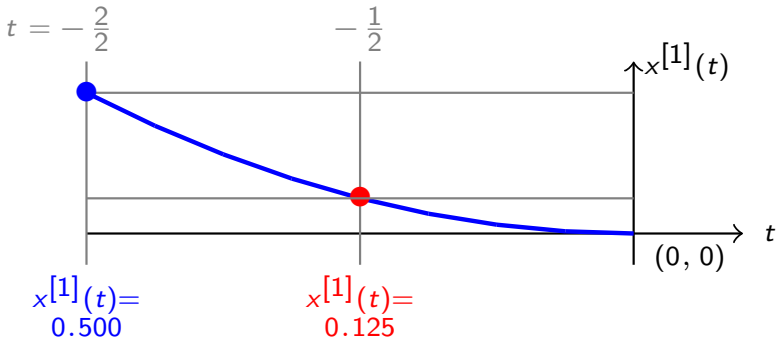
$-0.167 \quad -0.021 \quad 0.0$

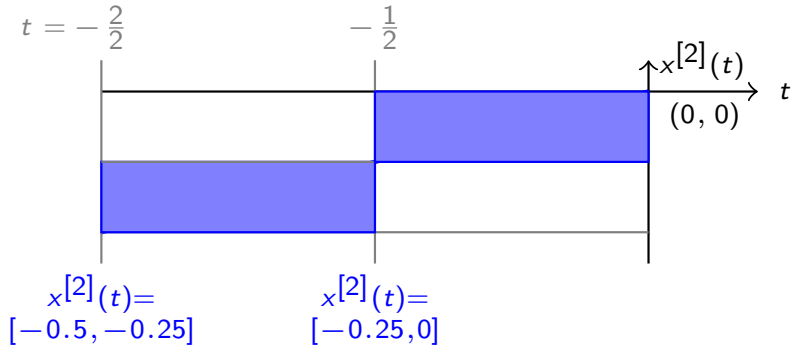
$0.5 \quad x^{1,[1]}$

$x^{2,[2]} \quad x^{1,[2]}$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

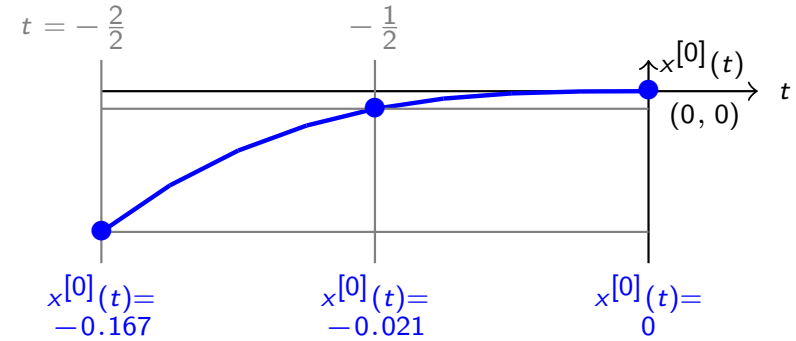


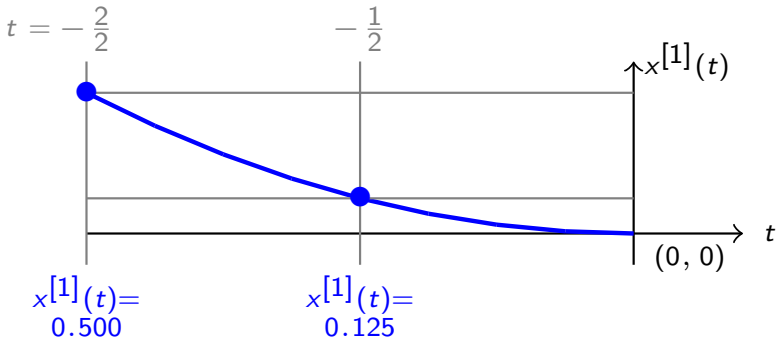


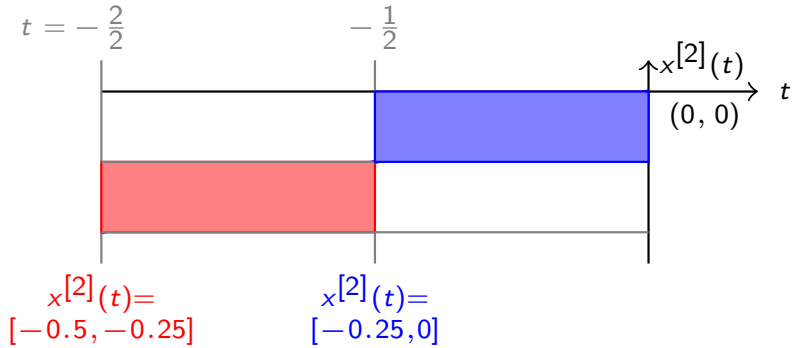


-0.167	-0.021	0.0
0.5	0.125	
$x^{2,[2]}$	$x^{1,[2]}$	

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





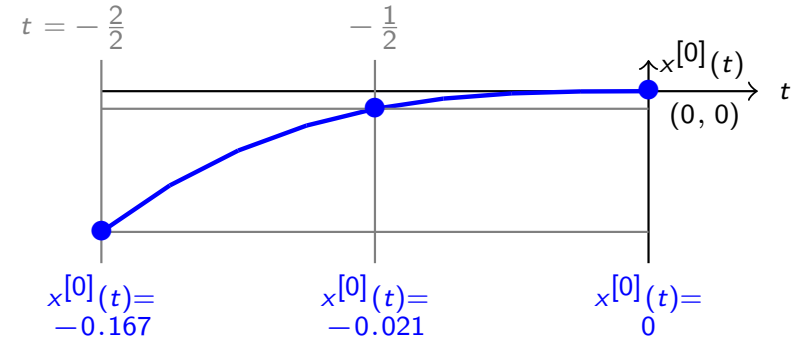


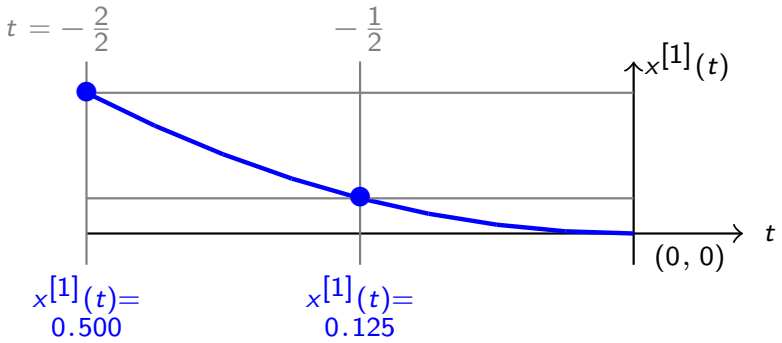
$-0.167 \quad -0.021 \quad 0.0$

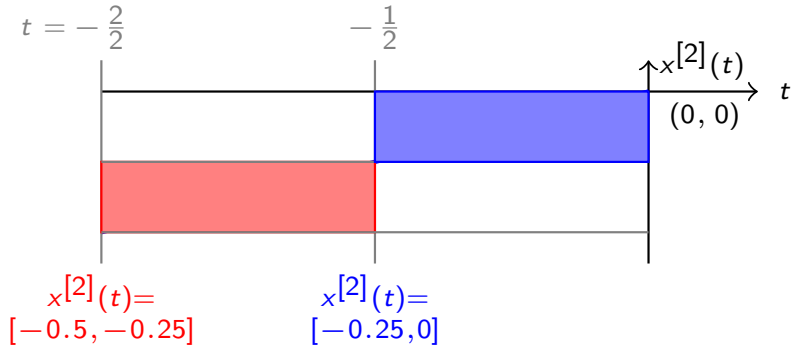
$0.5 \quad 0.125$

$x^{2,[2]} \quad x^{1,[2]}$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





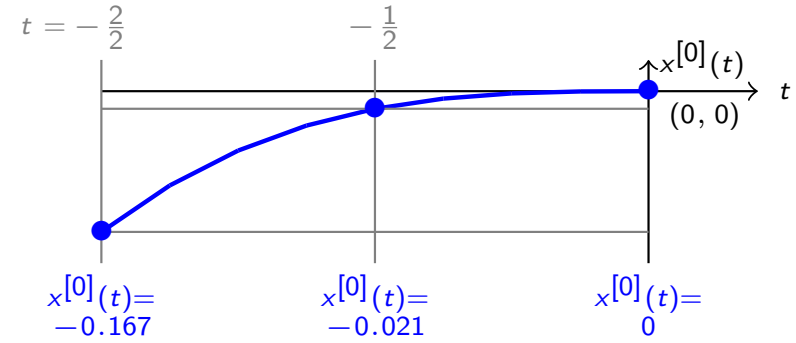


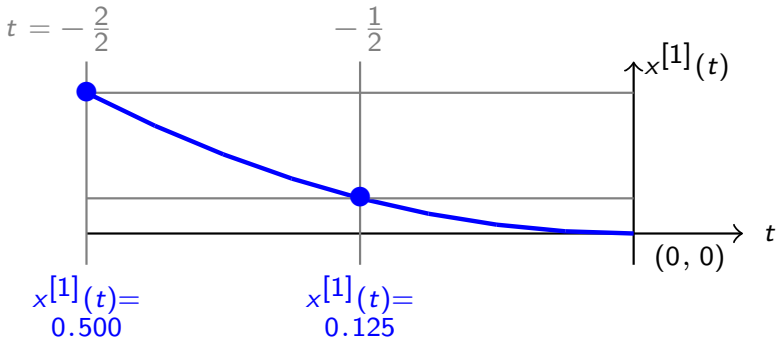
$-0.167 \qquad -0.021 \qquad 0.0$

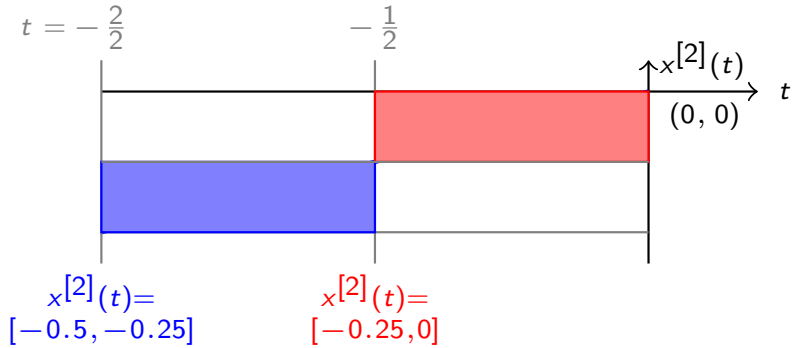
$0.5 \qquad 0.125$

$[-0.5, -0.25] \qquad x^{1,[2]}$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

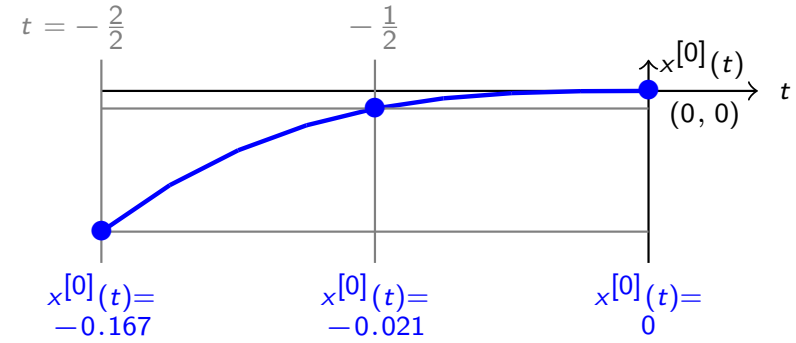


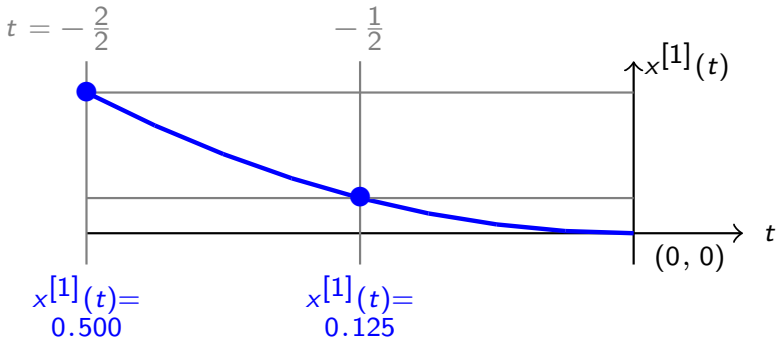


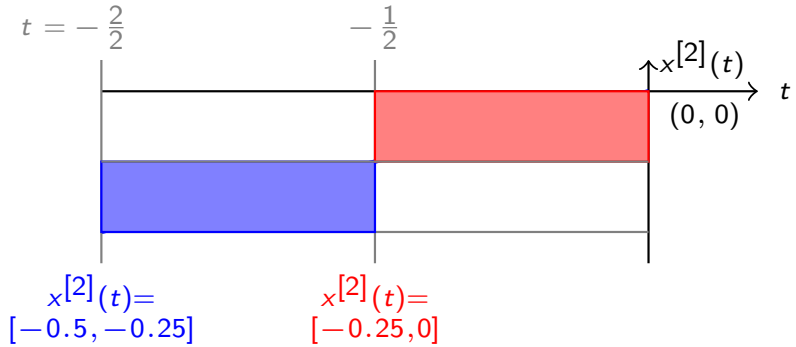


-0.167	-0.021	0.0
0.5	0.125	
$[-0.5, -0.25]$	$x^{1,[2]}$	

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

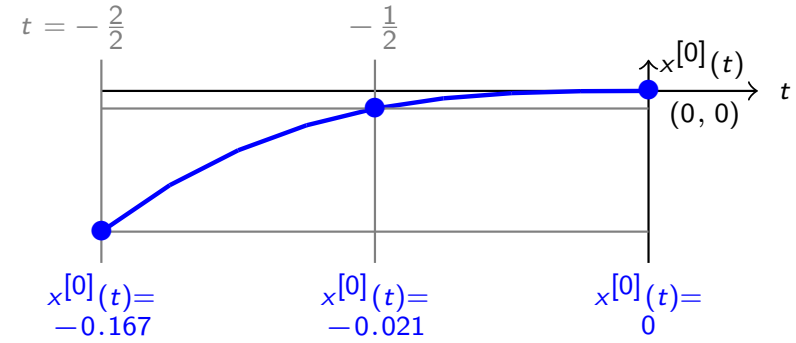


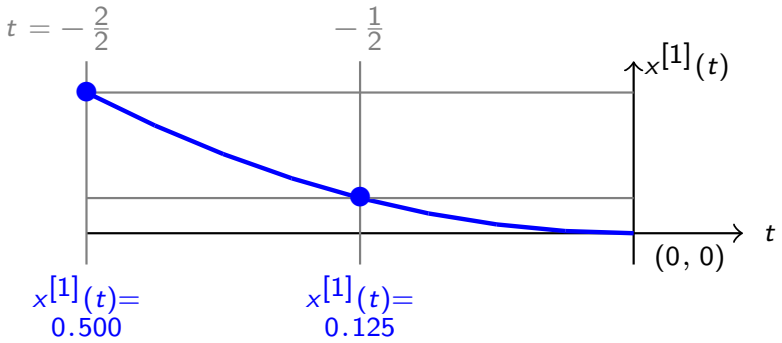


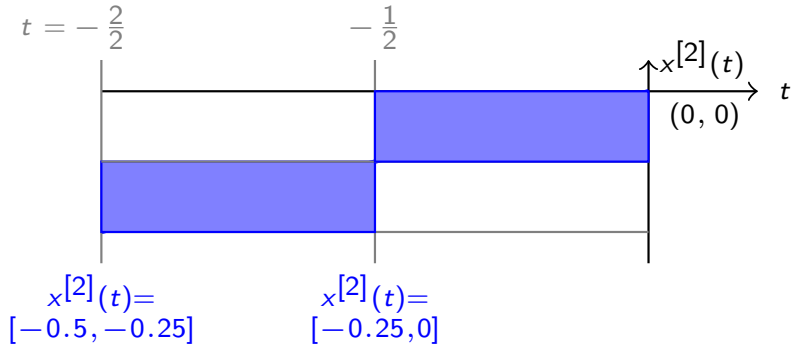


-0.167	-0.021	0.0
0.5	0.125	
$[-0.5, -0.25]$	$[-0.25, 0]$	

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$

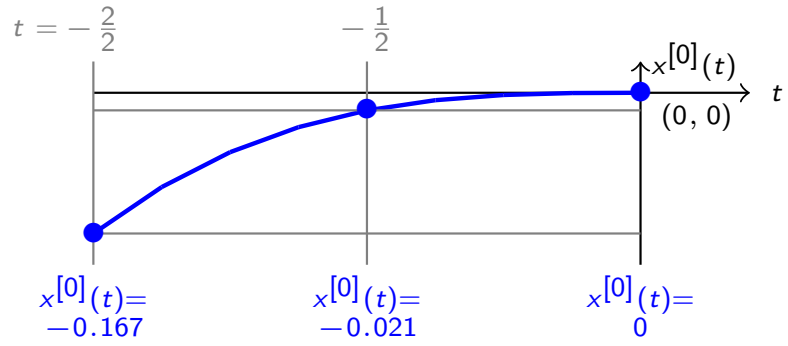


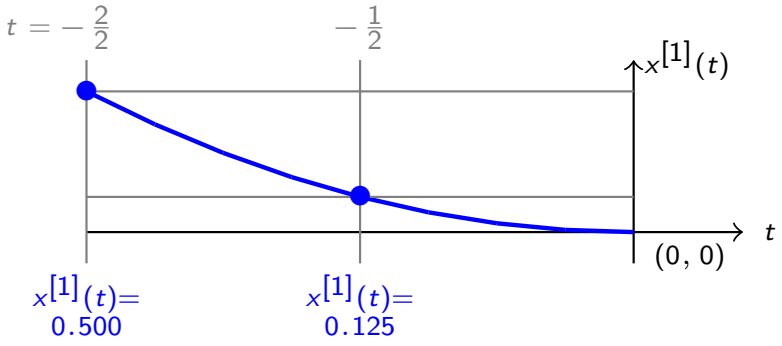


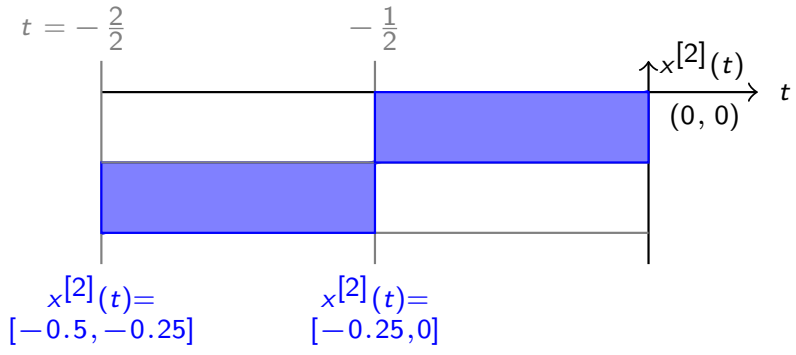


-0.167	-0.021	0.0
0.5	0.125	
$[-0.5, -0.25]$	$[-0.25, 0]$	

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$







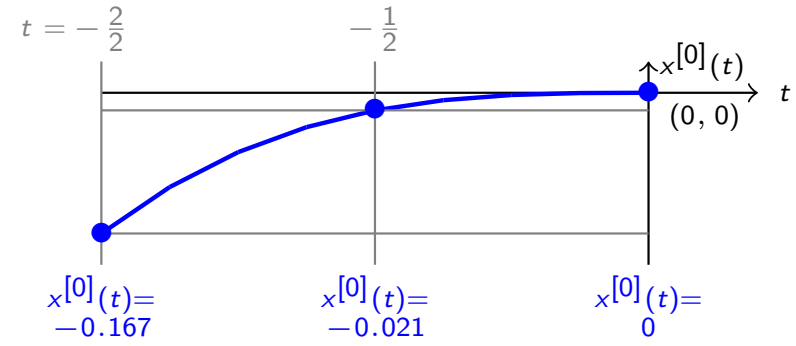
$$-0.167 \qquad -0.021 \qquad 0.0$$
$$0.5 \qquad 0.125$$
$$[-0.5, -0.25] \qquad [-0.25, 0]$$

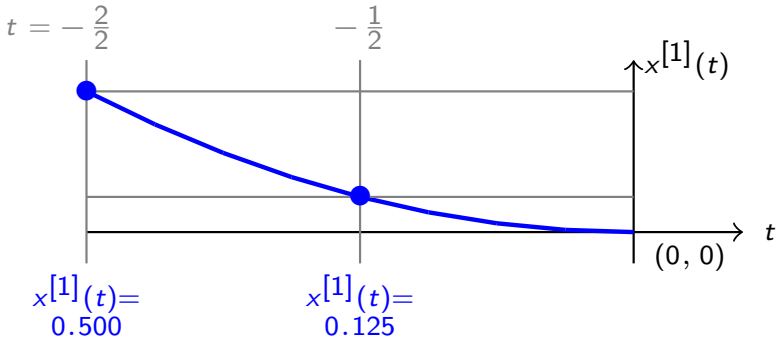
Interpretation:

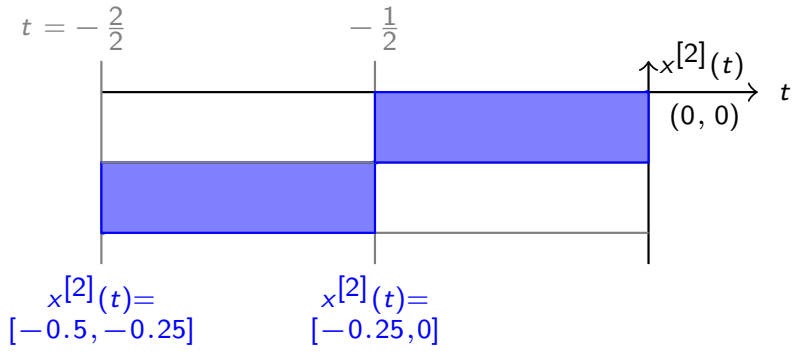
$$x(t) \in \sum_{k=0}^{n+1} x^{i,[k]} \cdot \varepsilon^k$$

for $0 \leq \varepsilon < \frac{1}{p}$, $t = -\frac{i}{p} + \varepsilon$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$







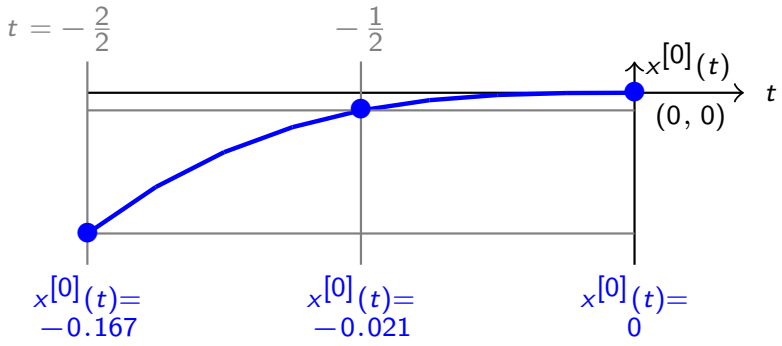
$$\begin{array}{ccc} -0.167 & -0.021 & 0.0 \\ 0.5 & 0.125 & \\ [-0.5, -0.25] & [-0.25, 0] & \end{array}$$

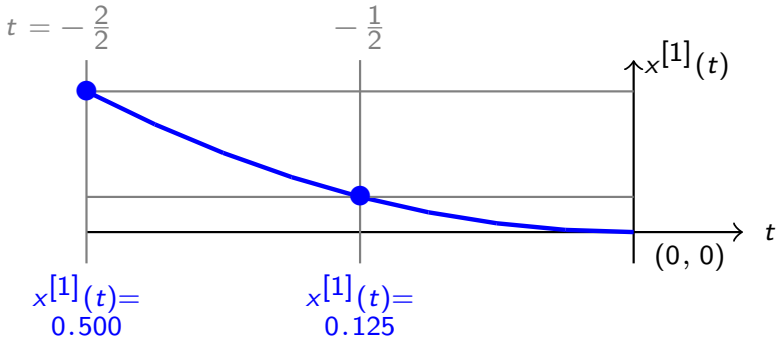
Interpretation:

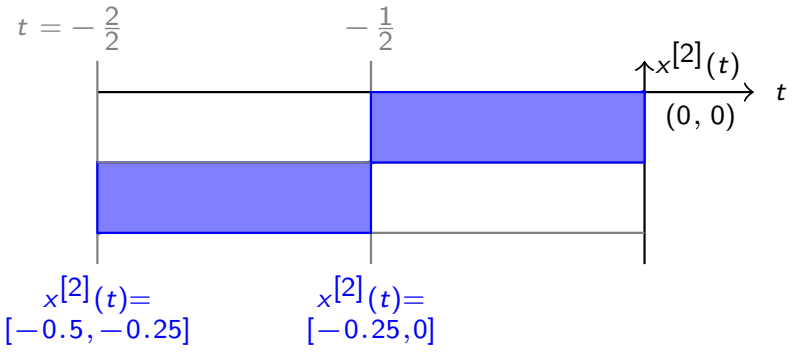
$$x(t) \in x^{i,[0]} + x^{i,[1]} \cdot \varepsilon + x^{i,[2]} \cdot \varepsilon^2$$

for $0 \leq \varepsilon < \frac{1}{p}$, $t = -\frac{i}{p} + \varepsilon$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





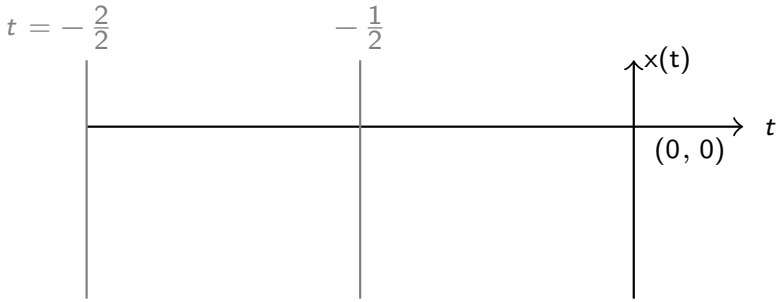


$$\begin{array}{ccc} -0.167 & -0.021 & 0.0 \\ 0.5 & 0.125 & \\ [-0.5, -0.25] & [-0.25, 0] & \end{array}$$

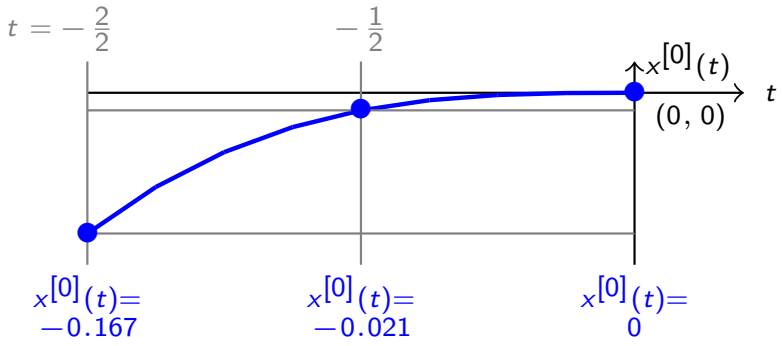
Interpretation:

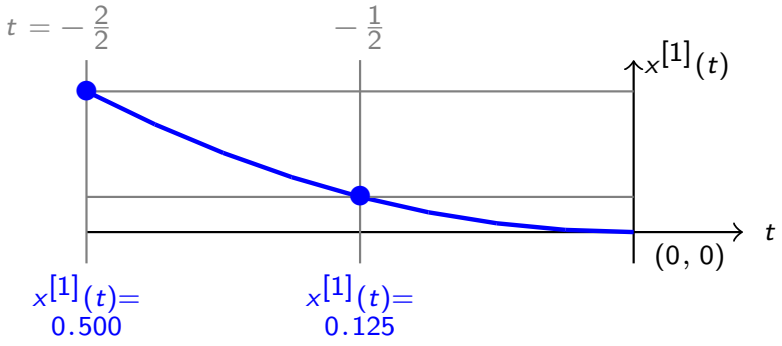
$$x(t) \in x^{i,[0]} + x^{i,[1]} \cdot \varepsilon + x^{i,[2]} \cdot \varepsilon^2$$

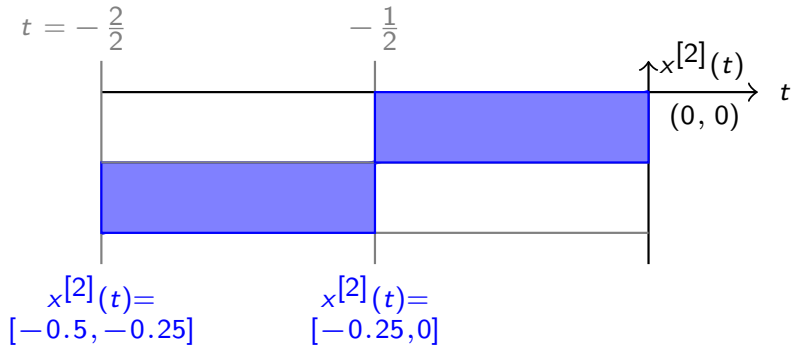
for $0 \leq \varepsilon < \frac{1}{p}$, $t = -\frac{i}{p} + \varepsilon$



Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





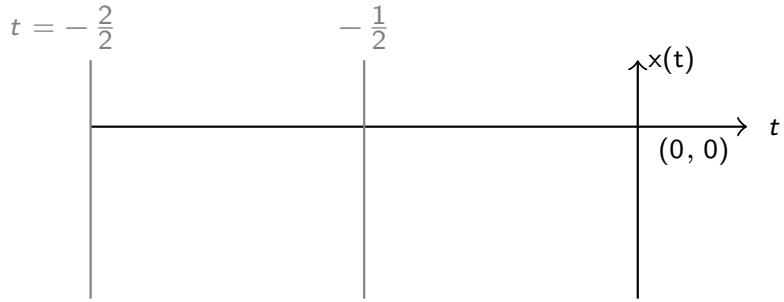


$$-0.167 \qquad -0.021 \qquad 0.0$$
$$0.5 \qquad 0.125$$
$$[-0.5, -0.25] \qquad [-0.25, 0]$$

Interpretation:

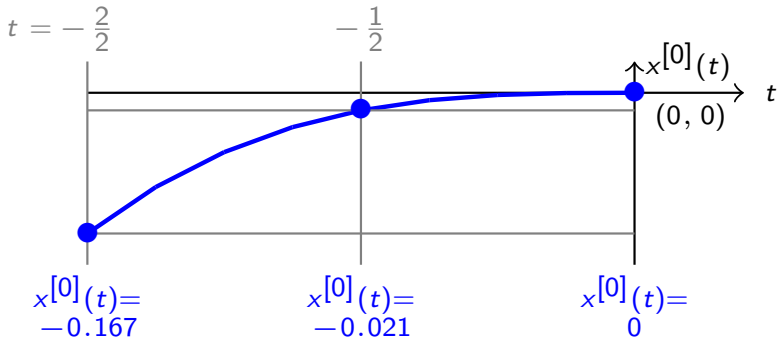
$$x(t) \in x^{i,[0]} + x^{i,[1]} \cdot \varepsilon + x^{i,[2]} \cdot \varepsilon^2$$

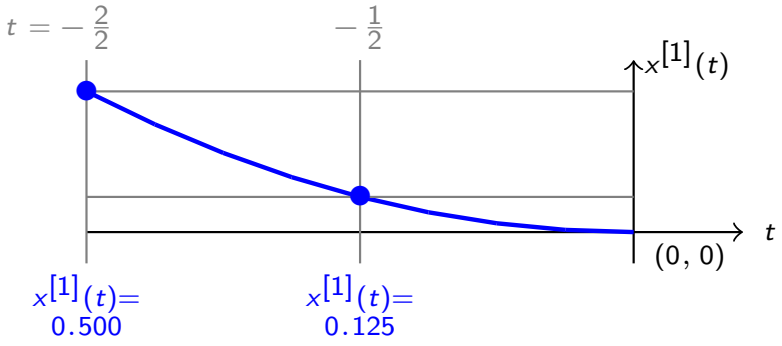
for $0 \leq \varepsilon < \frac{1}{p}$, $t = -\frac{i}{p} + \varepsilon$

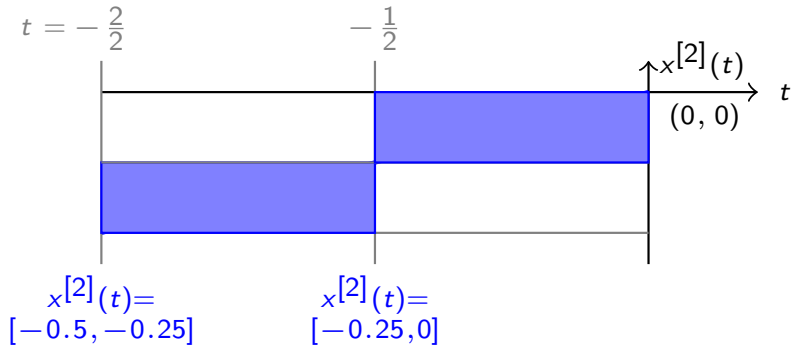


$t = -1$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$







$-0.167 \quad -0.021 \quad 0.0$

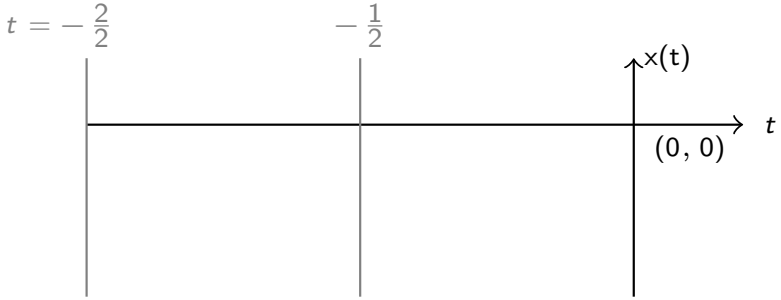
$0.5 \quad 0.125$

$[-0.5, -0.25] \quad [-0.25, 0]$

Interpretation:

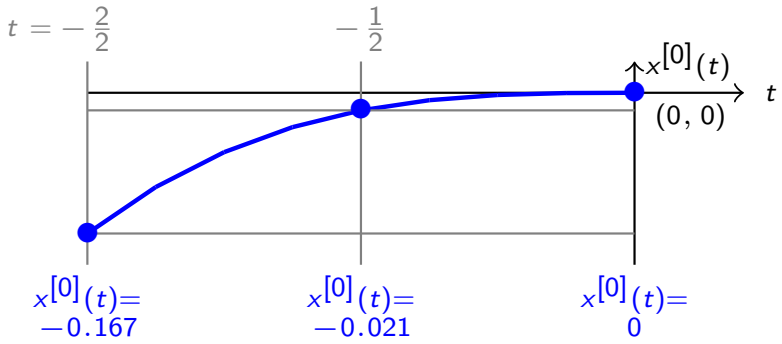
$$x(t) \in x^{i,[0]} + x^{i,[1]} \cdot \varepsilon + x^{i,[2]} \cdot \varepsilon^2$$

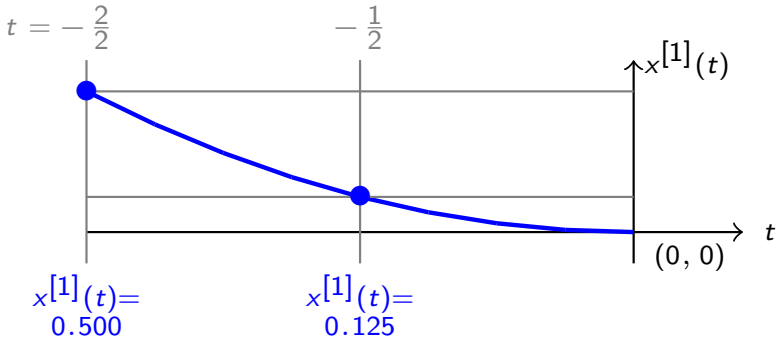
for $0 \leq \varepsilon < \frac{1}{p}$, $t = -\frac{i}{p} + \varepsilon$

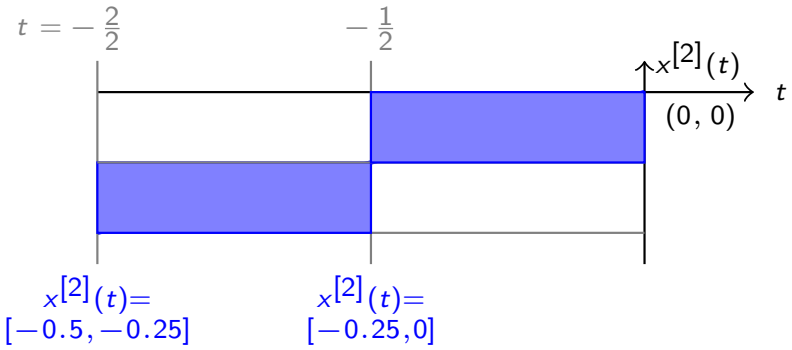


$t = -1$, $i = 2$, $\varepsilon = 0$,

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





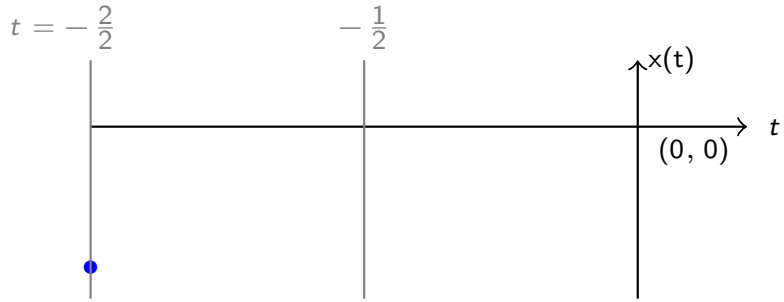


-0.167	-0.021	0.0
0.5	0.125	
$[-0.5, -0.25]$	$[-0.25, 0]$	

Interpretation:

$$x(t) \in x^{i,[0]} + x^{i,[1]} \cdot \varepsilon + x^{i,[2]} \cdot \varepsilon^2$$

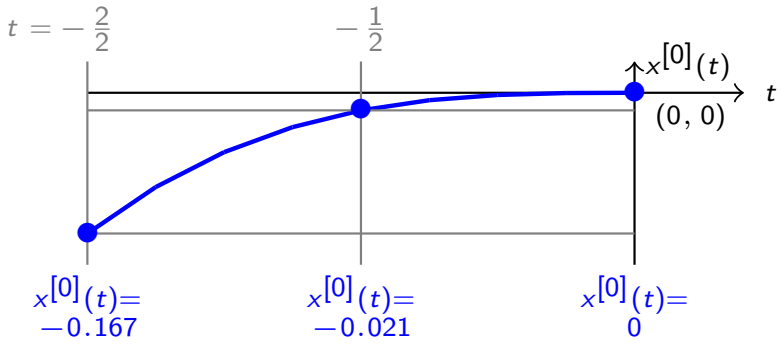
for $0 \leq \varepsilon < \frac{1}{p}$, $t = -\frac{i}{p} + \varepsilon$

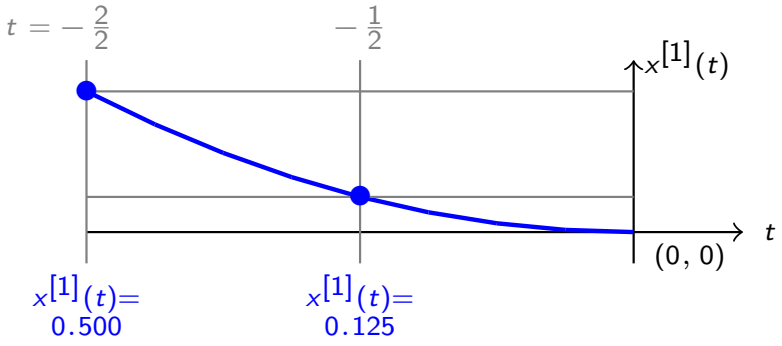


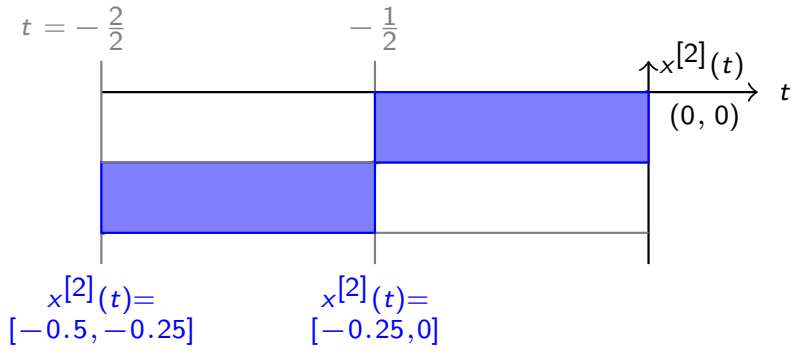
$t = -1$, $i = 2$, $\varepsilon = 0$,

$x(t) \in [-0.167, -0.167]$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$







-0.167 $\quad -0.021$ $\quad 0.0$

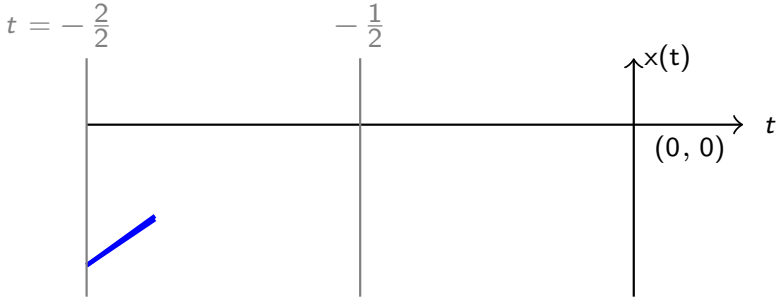
0.5 $\quad 0.125$

$[-0.5, -0.25]$ $\quad [-0.25, 0]$

Interpretation:

$$x(t) \in x^{i,[0]} + x^{i,[1]} \cdot \varepsilon + x^{i,[2]} \cdot \varepsilon^2$$

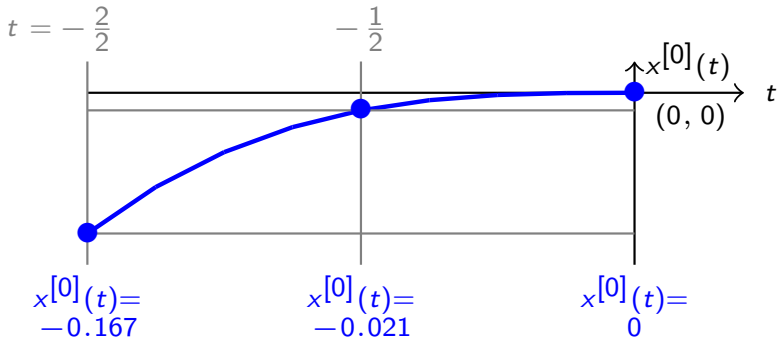
for $0 \leq \varepsilon < \frac{1}{p}$, $t = -\frac{i}{p} + \varepsilon$

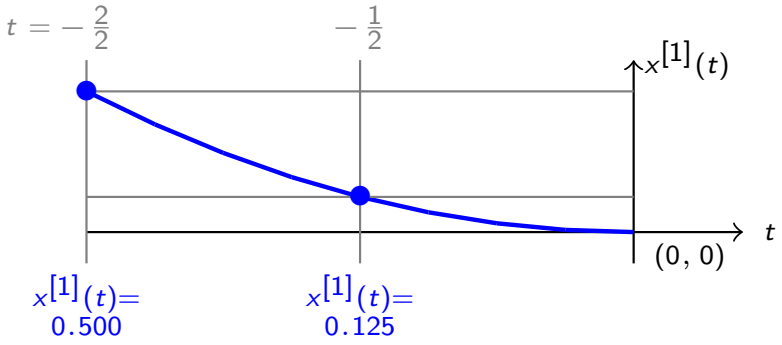


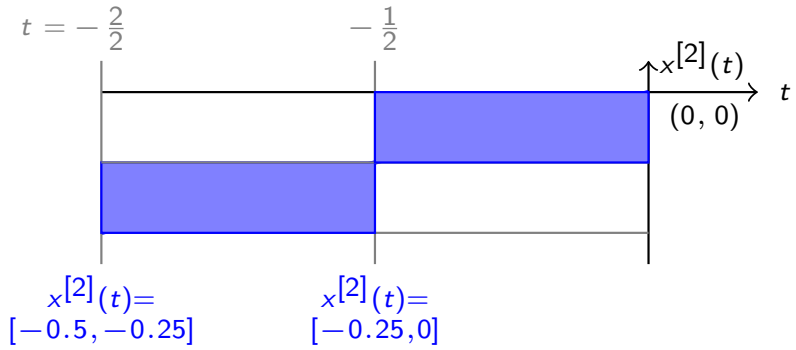
$t = -0.875$, $i = 2$, $\varepsilon = 0.125$,

$x(t) \in [-0.112, -0.108]$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





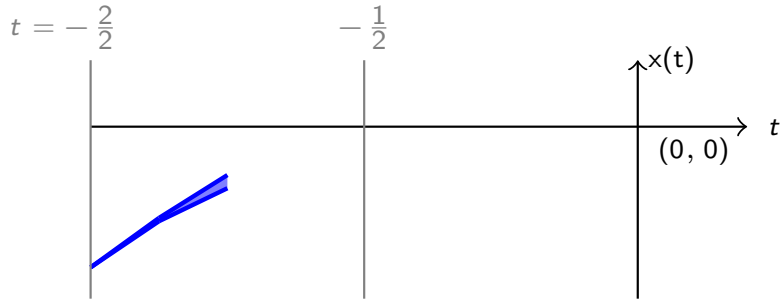


-0.167	-0.021	0.0
0.5	0.125	
$[-0.5, -0.25]$	$[-0.25, 0]$	

Interpretation:

$$x(t) \in x^{i,[0]} + x^{i,[1]} \cdot \varepsilon + x^{i,[2]} \cdot \varepsilon^2$$

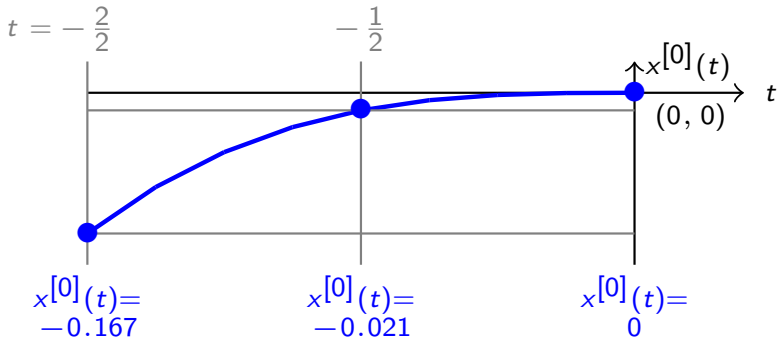
for $0 \leq \varepsilon < \frac{1}{p}$, $t = -\frac{i}{p} + \varepsilon$

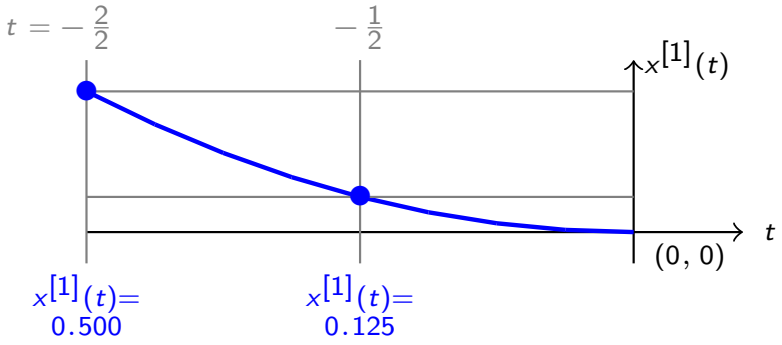


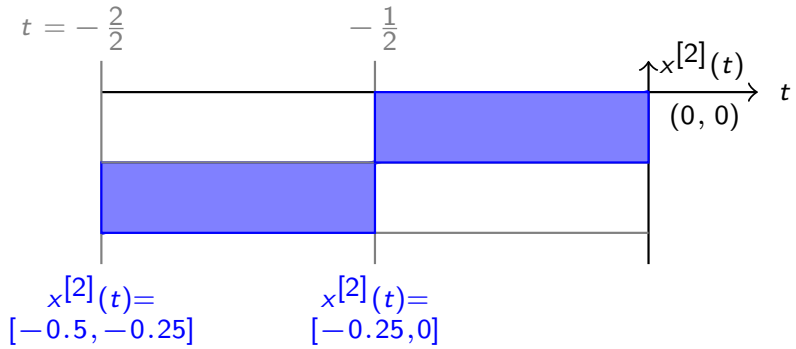
$t = -0.750$, $i = 2$, $\varepsilon = 0.250$,

$x(t) \in [-0.073, -0.057]$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$







$-0.167 \quad -0.021 \quad 0.0$

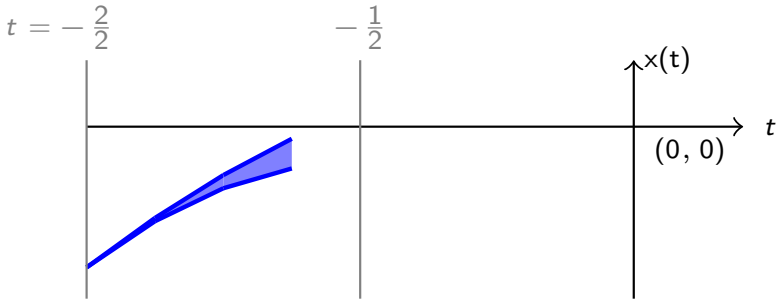
$0.5 \quad 0.125$

$[-0.5, -0.25] \quad [-0.25, 0]$

Interpretation:

$$x(t) \in x^{i,[0]} + x^{i,[1]} \cdot \varepsilon + x^{i,[2]} \cdot \varepsilon^2$$

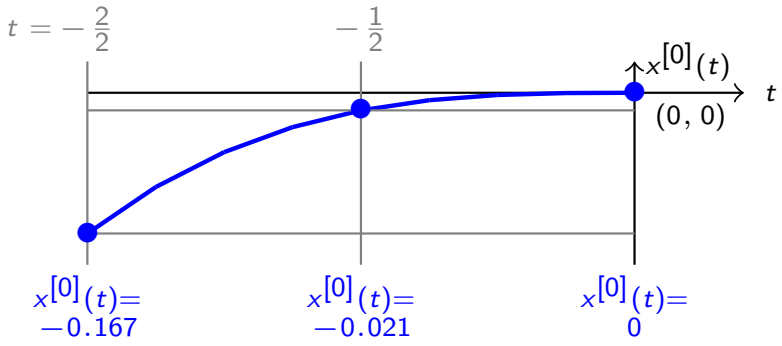
for $0 \leq \varepsilon < \frac{1}{p}$, $t = -\frac{i}{p} + \varepsilon$

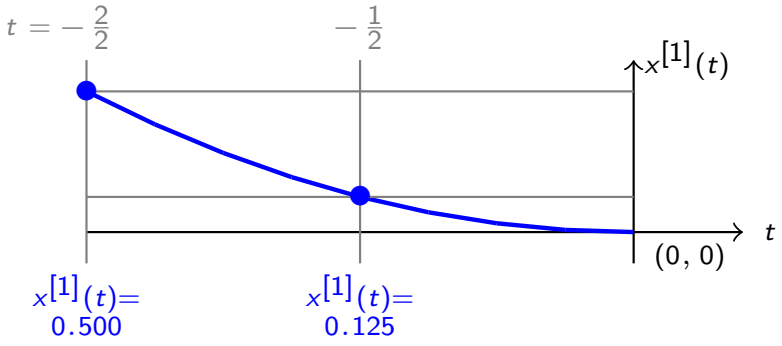


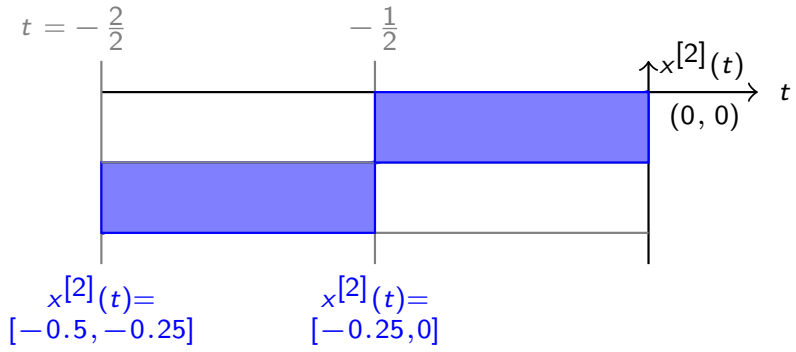
$t = -0.625$, $i = 2$, $\varepsilon = 0.375$,

$x(t) \in [-0.049, -0.014]$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





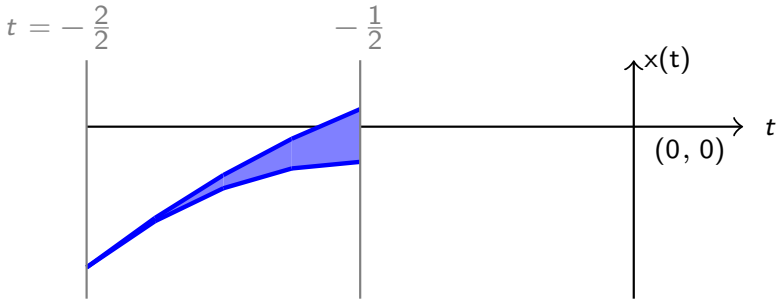


-0.167	-0.021	0.0
0.5	0.125	
$[-0.5, -0.25]$	$[-0.25, 0]$	

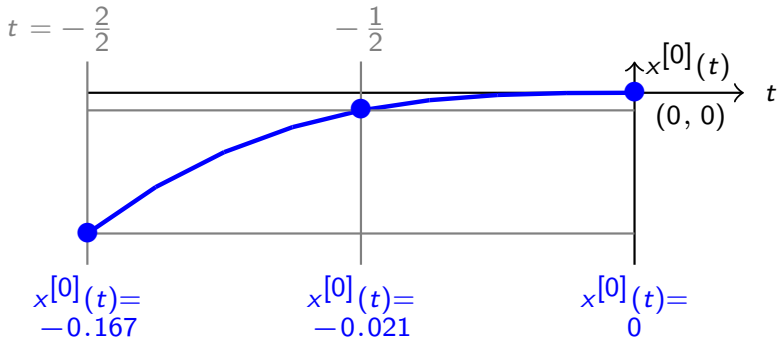
Interpretation:

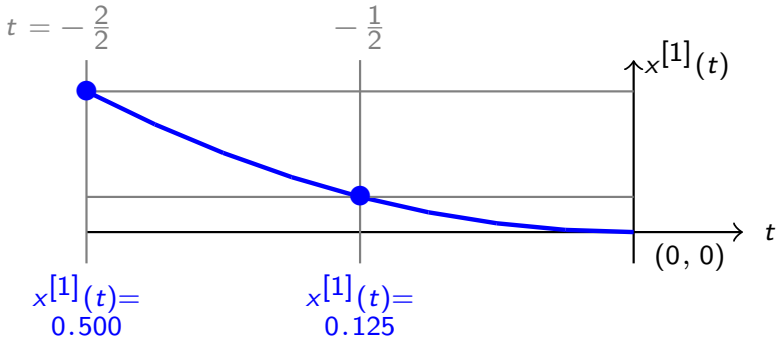
$$x(t) \in x^{i,[0]} + x^{i,[1]} \cdot \varepsilon + x^{i,[2]} \cdot \varepsilon^2$$

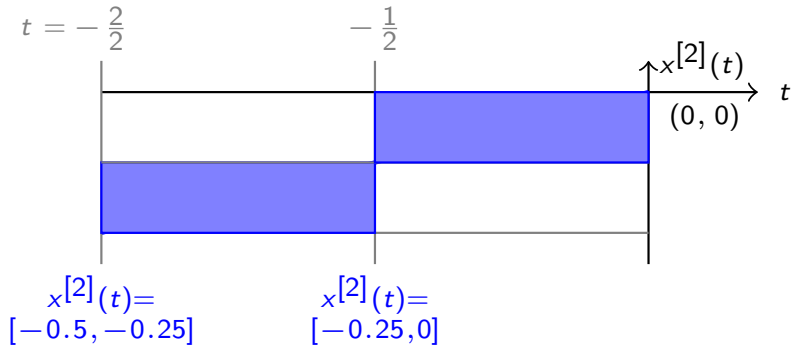
for $0 \leq \varepsilon < \frac{1}{p}$, $t = -\frac{i}{p} + \varepsilon$



Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





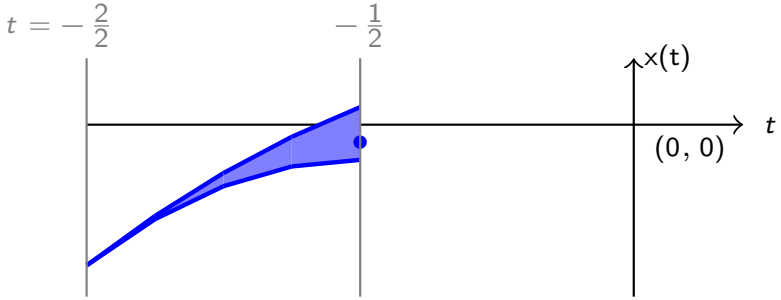


-0.167	-0.021	0.0
0.5	0.125	
$[-0.5, -0.25]$	$[-0.25, 0]$	

Interpretation:

$$x(t) \in x^{i,[0]} + x^{i,[1]} \cdot \varepsilon + x^{i,[2]} \cdot \varepsilon^2$$

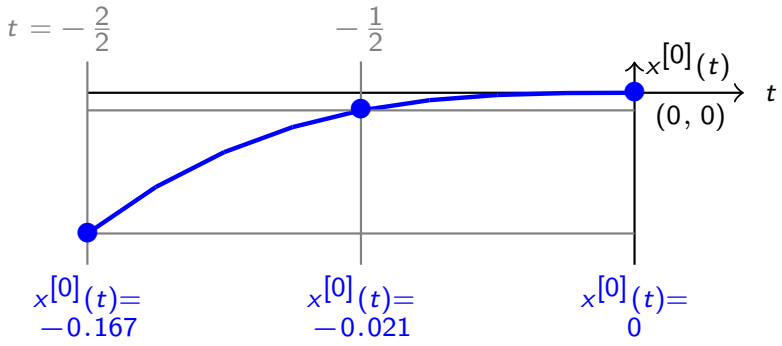
for $0 \leq \varepsilon < \frac{1}{p}$, $t = -\frac{i}{p} + \varepsilon$

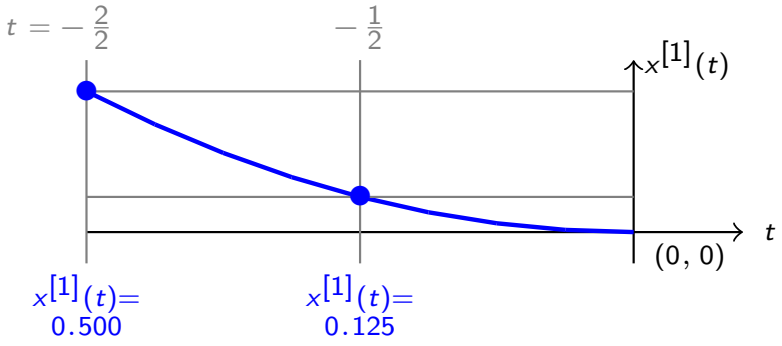


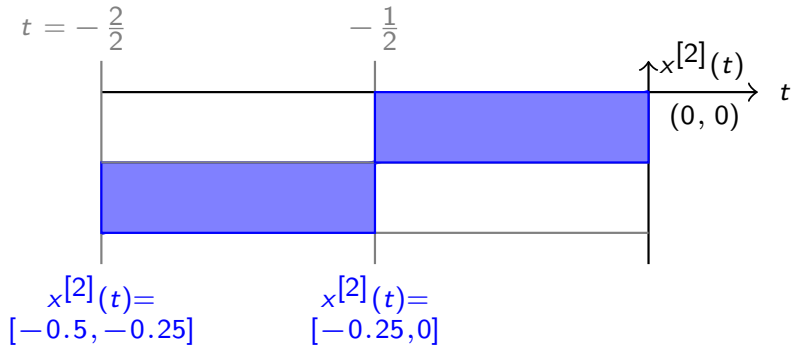
$t = -0.5$, $i = 1$, $\varepsilon = 0.0$,

$x(t) \in [-0.021, -0.021]$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





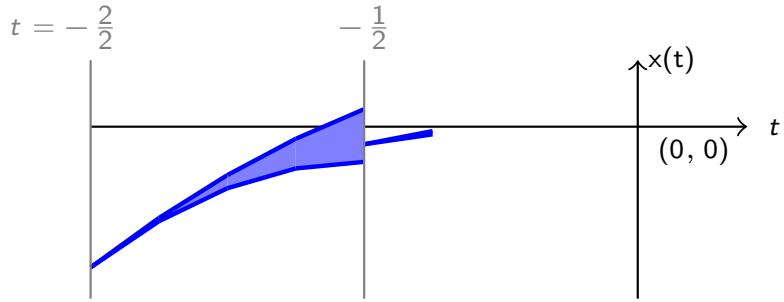


-0.167	-0.021	0.0
0.5	0.125	
$[-0.5, -0.25]$	$[-0.25, 0]$	

Interpretation:

$$x(t) \in x^{i,[0]} + x^{i,[1]} \cdot \varepsilon + x^{i,[2]} \cdot \varepsilon^2$$

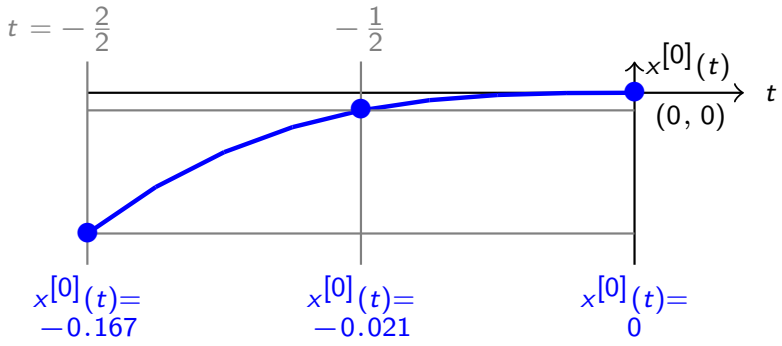
for $0 \leq \varepsilon < \frac{1}{p}$, $t = -\frac{i}{p} + \varepsilon$

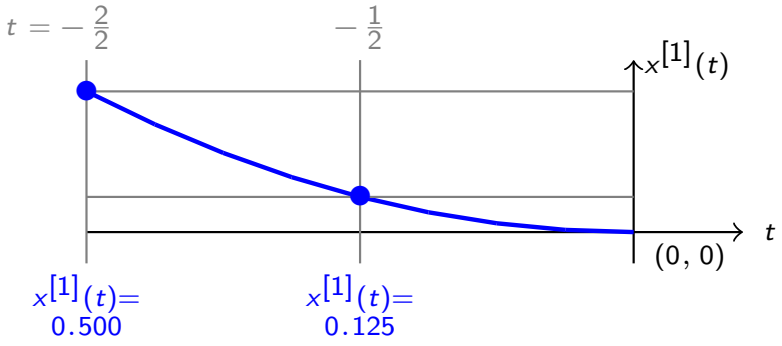


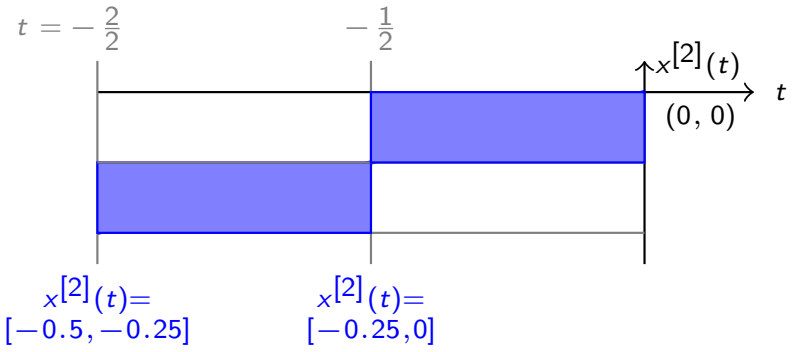
$t = -0.375$, $i = 1$, $\varepsilon = 0.125$,

$x(t) \in [-0.009, -0.005]$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





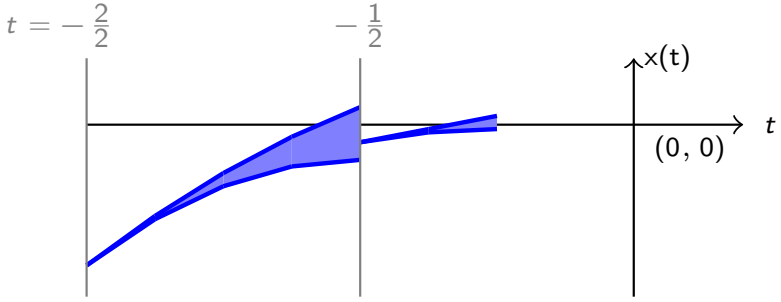


-0.167	-0.021	0.0
0.5	0.125	
$[-0.5, -0.25]$	$[-0.25, 0]$	

Interpretation:

$$x(t) \in x^{i,[0]} + x^{i,[1]} \cdot \varepsilon + x^{i,[2]} \cdot \varepsilon^2$$

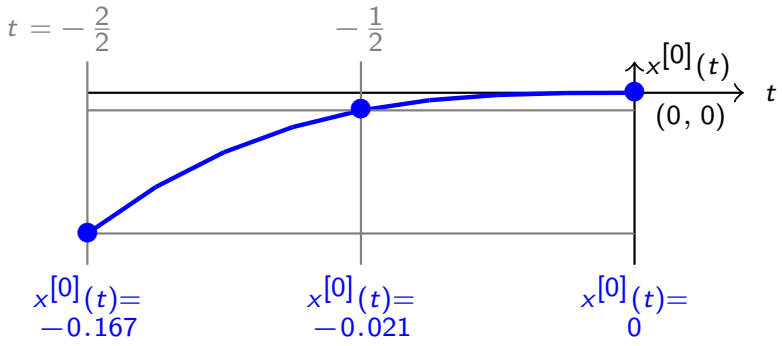
for $0 \leq \varepsilon < \frac{1}{p}$, $t = -\frac{i}{p} + \varepsilon$

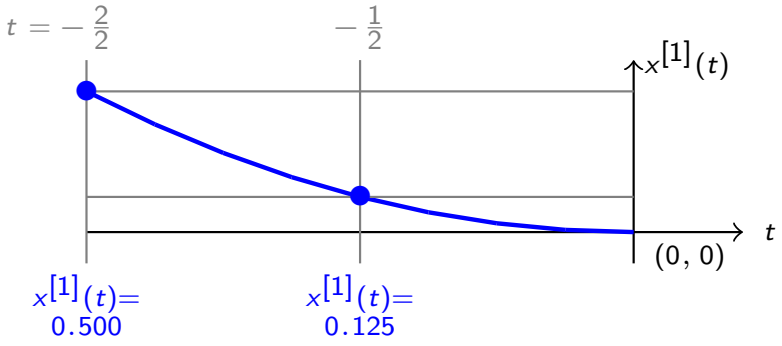


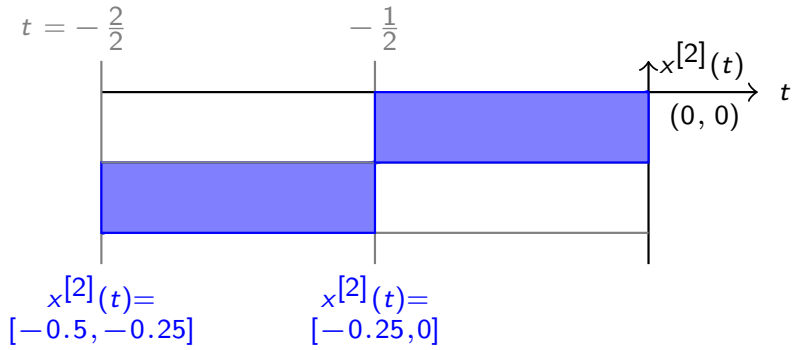
$t = -0.250$, $i = 1$, $\varepsilon = 0.250$,

$x(t) \in [-0.005, +0.001]$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





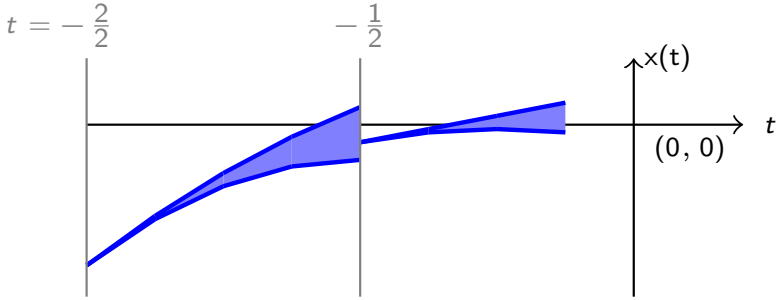


-0.167	-0.021	0.0
0.5	0.125	
$[-0.5, -0.25]$	$[-0.25, 0]$	

Interpretation:

$$x(t) \in x^{i,[0]} + x^{i,[1]} \cdot \varepsilon + x^{i,[2]} \cdot \varepsilon^2$$

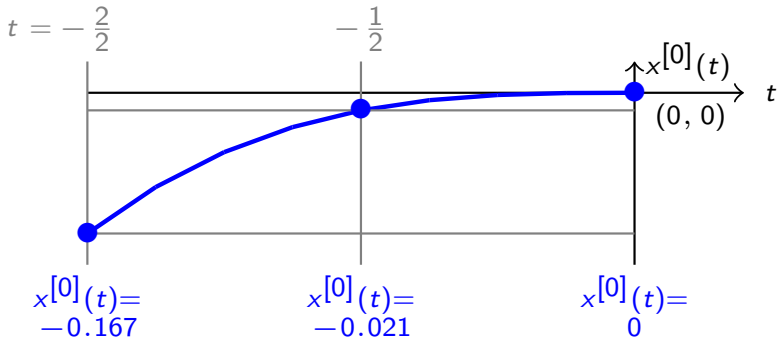
for $0 \leq \varepsilon < \frac{1}{p}$, $t = -\frac{i}{p} + \varepsilon$

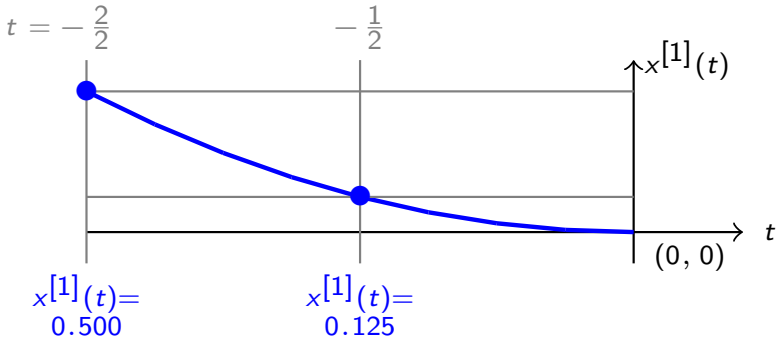


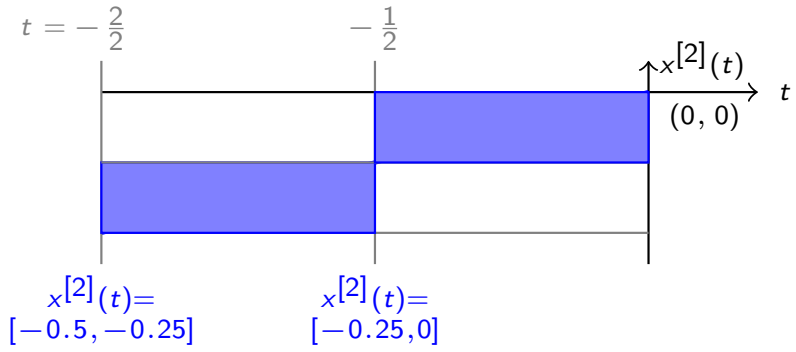
$t = -0.125$, $i = 1$, $\varepsilon = 0.375$,

$x(t) \in [-0.009, +0.026]$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





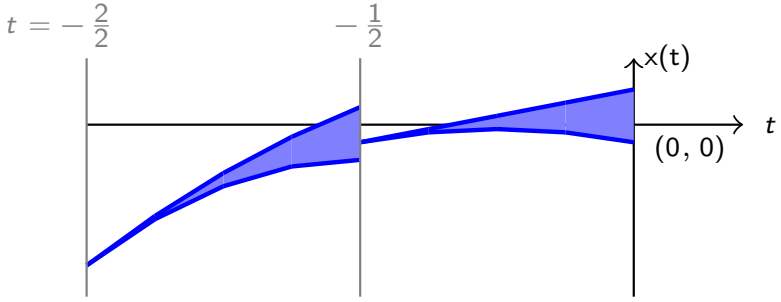


-0.167	-0.021	0.0
0.5	0.125	
$[-0.5, -0.25]$	$[-0.25, 0]$	

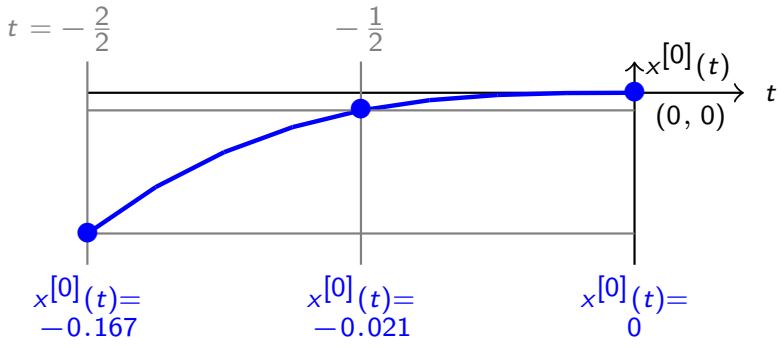
Interpretation:

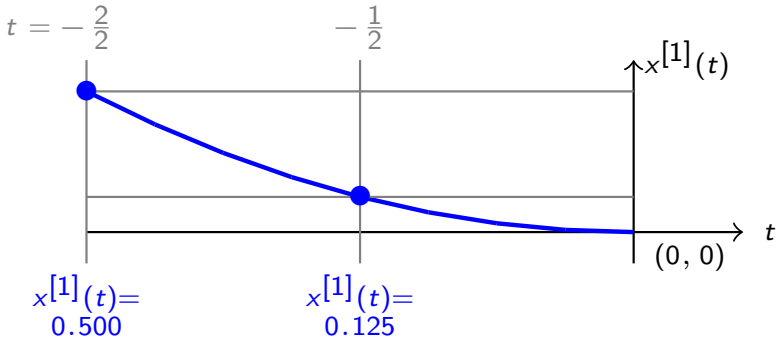
$$x(t) \in x^{i,[0]} + x^{i,[1]} \cdot \varepsilon + x^{i,[2]} \cdot \varepsilon^2$$

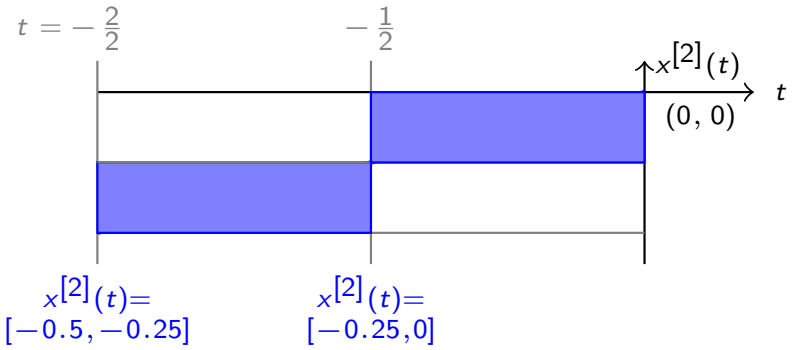
for $0 \leq \varepsilon < \frac{1}{p}$, $t = -\frac{i}{p} + \varepsilon$



Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$







$-0.167 \quad -0.021 \quad 0.0$

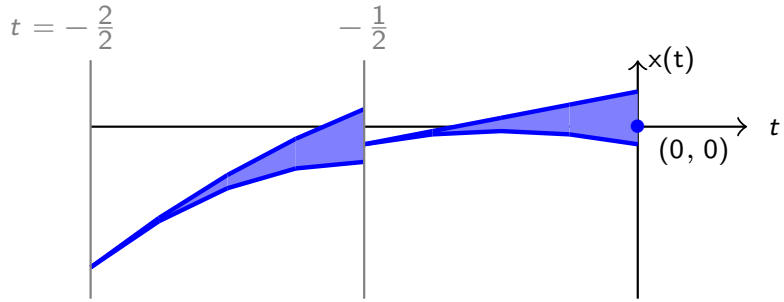
$0.5 \quad 0.125$

$[-0.5, -0.25] \quad [-0.25, 0]$

Interpretation:

$$x(t) \in x^{i,[0]} + x^{i,[1]} \cdot \varepsilon + x^{i,[2]} \cdot \varepsilon^2$$

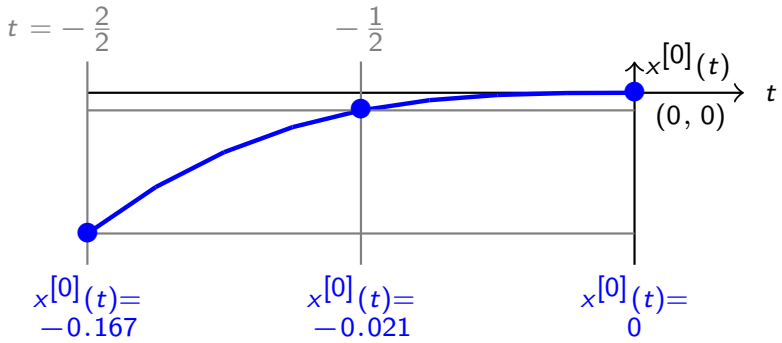
for $0 \leq \varepsilon < \frac{1}{p}$, $t = -\frac{i}{p} + \varepsilon$

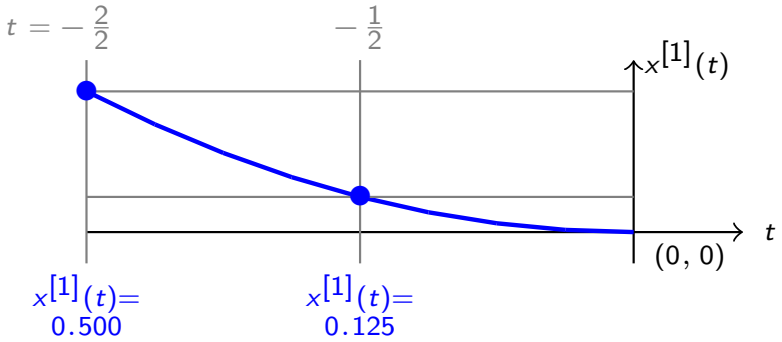


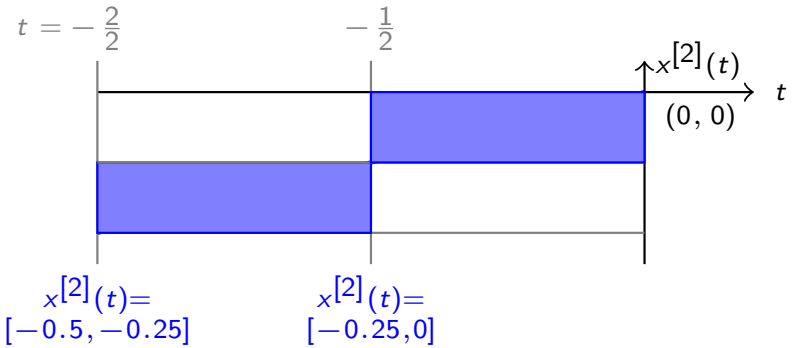
$t = 0.0$, $i = 0$, $\varepsilon = 0.0$,

$x(t) \in [0, 0]$

Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$





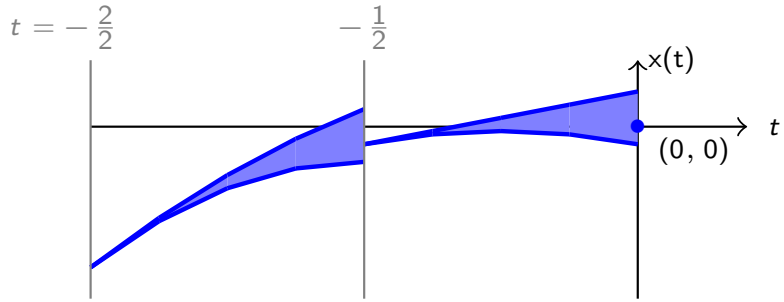


$$-0.167 \qquad -0.021 \qquad 0.0$$
$$0.5 \qquad 0.125$$
$$[-0.5, -0.25] \qquad [-0.25, 0]$$

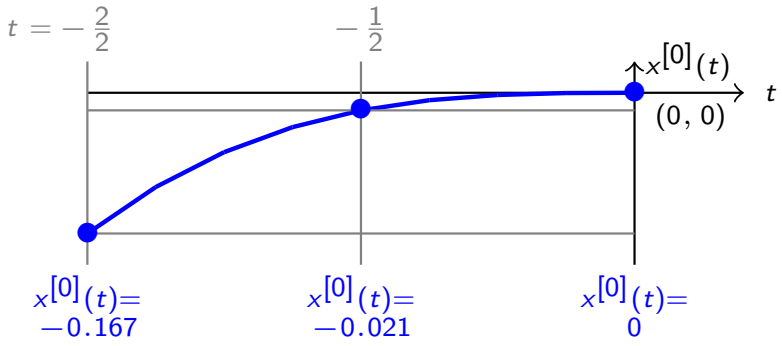
Interpretation:

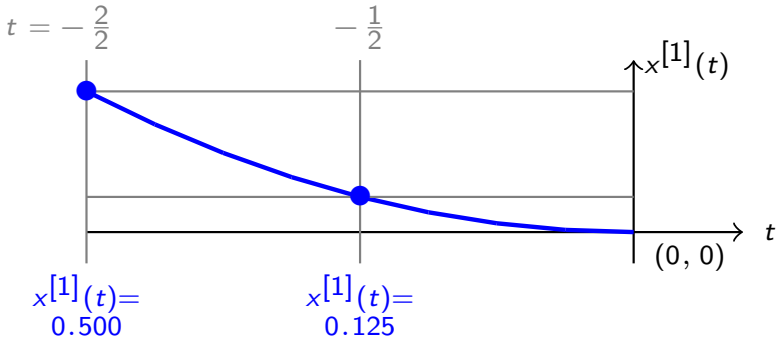
$$x(t) \in x^{i,[0]} + x^{i,[1]} \cdot \varepsilon + x^{i,[2]} \cdot \varepsilon^2$$

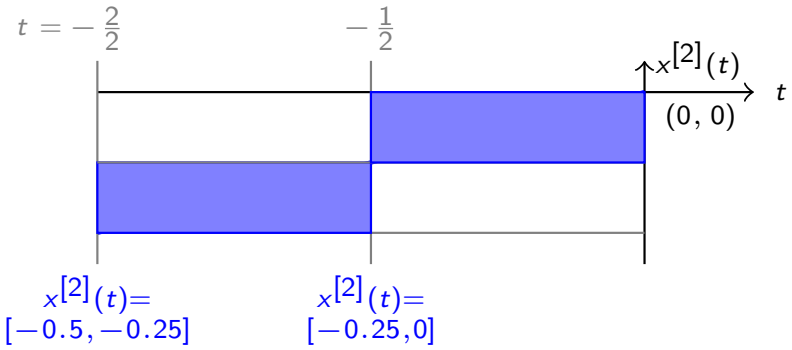
for $0 \leq \varepsilon < \frac{1}{p}$, $t = -\frac{i}{p} + \varepsilon$



Example: $x(t) = \frac{1}{6} \cdot t^3 \quad x^{[1]}(t) = \frac{1}{2} \cdot t^2 \quad x^{[2]}(t) = \frac{1}{2} \cdot t \quad p = 2, n = 1$







$$\begin{array}{ccc} -0.167 & -0.021 & 0.0 \\ 0.5 & 0.125 & \\ [-0.5, -0.25] & [-0.25, 0] & \end{array}$$

Interpretation:

$$x(t) \in x^{i,[0]} + x^{i,[1]} \cdot \varepsilon + x^{i,[2]} \cdot \varepsilon^2$$

for $0 \leq \varepsilon < \frac{1}{p}$, $t = -\frac{i}{p} + \varepsilon$