

$$y_i = p_i(x_i) \quad \text{für } 1 \leq i \leq n-1$$

$$y_{i+1} = p_i(x_{i+1}) \quad \text{für } 1 \leq i \leq n-1$$

$$p'_{i-1}(x_i) = p'_i(x_i) \quad \text{für } 2 \leq i \leq n-1$$

$$p''_{i-1}(x_i) = p''_i(x_i) \quad \text{für } 2 \leq i \leq n-1$$

not-a-knot

$$p'''_1(x_2) = p'''_2(x_2)$$

$$p'''_{n-2}(x_{n-1}) = p'''_{n-1}(x_{n-1})$$

variational

$$p''_1(x_1) = 0$$

$$p''_{n-1}(x_n) = 0$$

complete

$$p'_1(x_1) = y'_1$$

$$p'_{n-1}(x_n) = y'_n$$

second

$$p''_1(x_1) = y''_1$$

$$p''_{n-1}(x_n) = y''_n$$