

# Basis functions – Sum equals one at any $t$

Example:  $n + 1 = 4$ ,  $k = 3$

$$[X] = [0 \ 0 \ 0 \ 1 \ 2 \ 2 \ 2]$$

$t = 0.6$

$$N_{1,3} + N_{2,3} + N_{3,3} + N_{4,3} = 0.16 + 0.66 + 0.18 + 0.0 = 1.0$$

