

$$\psi_{0.5,0}(t) = \frac{1}{\sqrt{0.5}} \left(1 - \left(\frac{t}{0.5} \right)^2 \right) e^{-\left(\frac{t}{0.5} \right)^2}$$

$$\psi_{0.5,1}(t) = \frac{1}{\sqrt{0.5}} \left(1 - \left(\frac{t-1}{0.5} \right)^2 \right) e^{-\left(\frac{t-1}{0.5} \right)^2}$$

$$\psi_{1,-3}(t) = \left(1 - (t+3)^2 \right) e^{-(t+3)^2}$$

