

$$f_{\text{egh}}(t) \equiv \begin{cases} H \exp\left(\frac{-(t-t_r)^2}{2\sigma_g^2 + \tau(t-t_r)}\right), & 2\sigma_g^2 + \tau(t-t_r) > 0, \\ 0, & 2\sigma_g^2 + \tau(t-t_r) \leq 0 \end{cases}$$