

$$\begin{array}{lll}
& \phi^{(k-1)} := \phi^{(k)} + \alpha \left(g^{(k+1)} - h_{e^{-k}}(x^{(k+1)}) \right) x^{(k+1)} \\
& = \phi^{(k)} + \alpha \left(g^{(k+1)} - \phi^{-k}(x^{(k+1)}) \right) \phi(x^{(k+1)}) \\
& = \sum_{i=1}^{k} \beta_i \phi(x^{(i)}) + \alpha \left(g^{(k+1)} - g_{e^{-k}}(x^{(k+1)}) \right) \phi(x^{(k+1)}) \\
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& = \sum_{i=1}^{k} \beta_i \phi(x^{(i)}) + \alpha \left(g^{(k+1)} - g_{e^{-k}}(x^{(k+1)}) \right) \phi(x^{(k+1)})$$