

perform high-fidelity simulation $f_{\text{hi-fi}}(\theta_{n+1})$

compute output of interest $y_{\text{hi-fi}}(\theta_{n+1})$

perform high-fidelity simulation $f_{\text{hi-fi}}(\theta_{n+2})$

compute output of interest $y_{\text{hi-fi}}(\theta_{n+2})$

perform high-fidelity simulation $f_{\text{hi-fi}}(\theta_{n+3})$

compute output of interest $y_{\text{hi-fi}}(\theta_{n+3})$