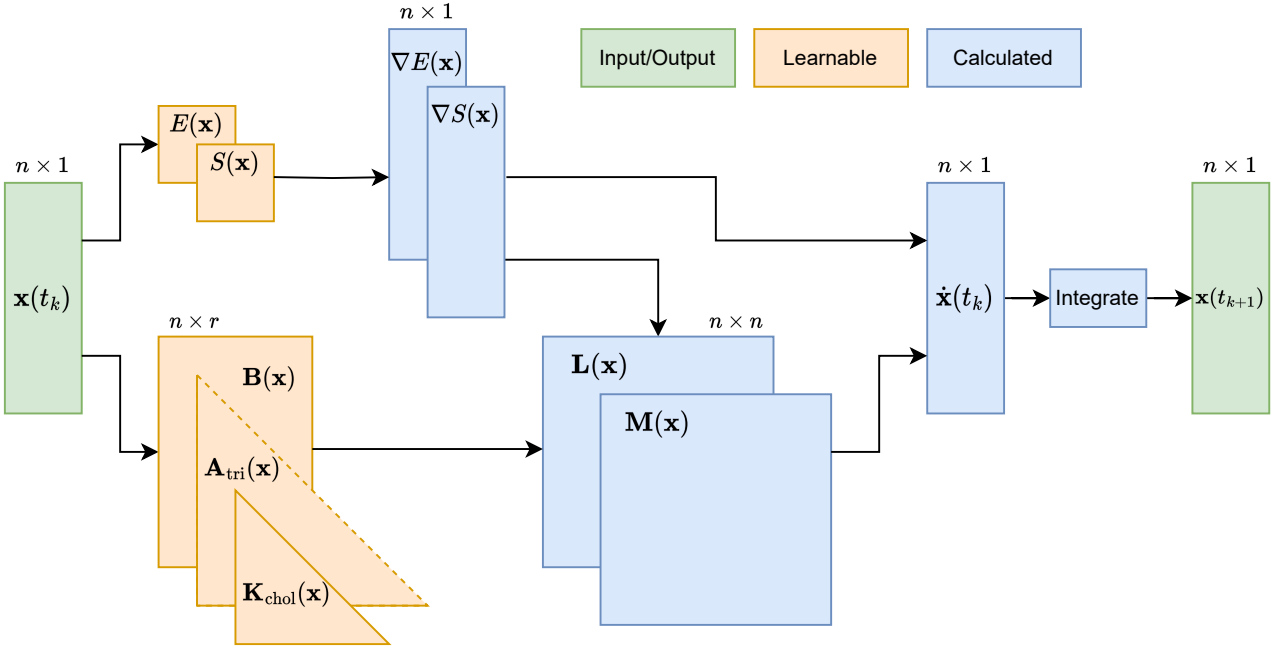
$n \times 1$
$\nabla E(\mathbf{x})$
$\nabla S(\mathbf{x})$
Input/Output
Learnable
Calculated
$E(\mathbf{x})$
$S(\mathbf{x})$
$n \times 1$
$n \times 1$
$n \times 1$
$\mathbf{x}(t_k)$
$\dot{\mathbf{x}}(t_k)$
Integrate
$\mathbf{x}(t_{k+1})$
$n \times r$
$n \times n$
$\mathbf{B}(\mathbf{x})$
$\mathbf{L}(\mathbf{x})$
$\mathbf{M}(\mathbf{x})$
$\mathbf{A}_{\text{tri}}(\mathbf{x})$
$\mathbf{K}_{\text{chol}}(\mathbf{x})$