

MathJax PDF Test

This should render perfectly:

$$q(\mathbf{x}_t \mid \mathbf{x}_{t-1}) = \mathcal{N}(\mathbf{x}_t; \sqrt{\alpha_t} \mathbf{x}_{t-1}, (1 - \alpha_t) \mathbf{I})$$

If you see mathematical symbols (not LaTeX code), SUCCESS!