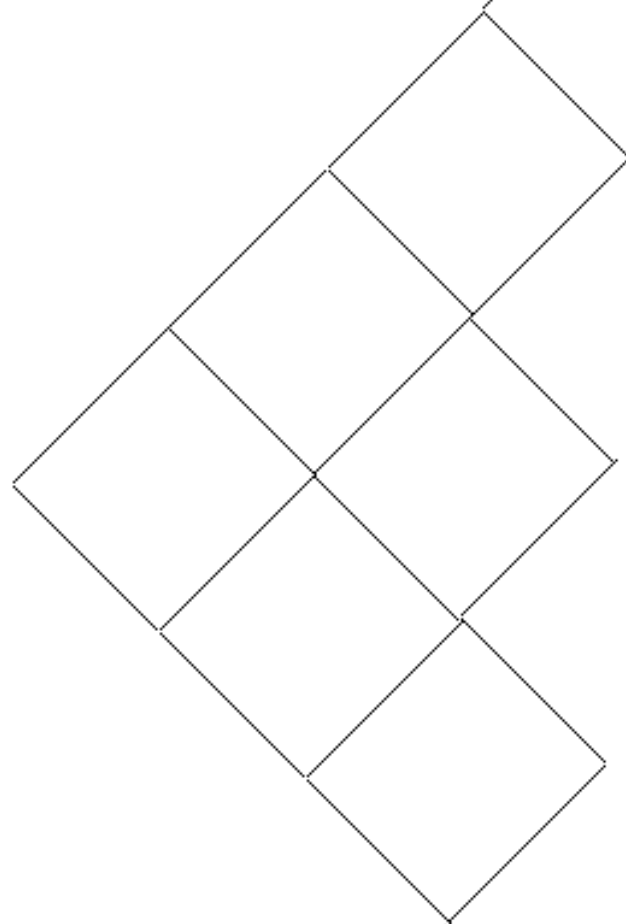


get a haircut you look like elvis



$$\begin{aligned}dS(t) &= rS(t)dt + e^{Y(t)}S(t)dW(t) \\dY(t) &= \left(-\alpha(1 + Y(t)) + 0.4\sqrt{\alpha}\sqrt{1 - \rho^2}\right) dt + 0.4\sqrt{\alpha}d\hat{Z}(t),\end{aligned}$$