

$$a^2 + b^2 = c^2$$

$$\text{\$}a^{\{2\}} + b^{\{2\}} = c^{\{2\}}\text{\$}$$

$$\cos^2 \alpha + \sin^2 \alpha = 1$$

$$\text{\$}\backslash\cos^{\{2\}}\backslash,\backslash\alpha + \backslash\sin^{\{2\}}\backslash,\backslash\alpha = 1\text{\$}$$

$$e^{i\pi} + 1 = 0$$

$$\text{\$}e^{\{i\backslash\pi\}} + 1 = 0\text{\$}$$

$$\ln a \cdot b = \ln a + \ln b$$

$$\text{\$}\backslash\ln\backslash a\backslash\cdot b = \backslash\ln\backslash a + \backslash\ln\backslash b\text{\$}$$

$$\sum_{i=0}^N i = \frac{n(n+1)}{2}$$

$$\text{\$}\backslash\text{Sum}\{i=0\}\{N\} i = \backslash\text{frac}\{n (n+1)\}\{2\}\text{\$}$$

$$S_i(t+1) = \text{sgn} [\sum_j J_{ij} \cdot S_j(t)]$$

$$\text{\$}S_{\{i\}}(t+1) = \backslash\text{sgn}[\backslash,\backslash\text{sum}_{\{j\}} J_{\{ij\}}\backslash\cdot S_{\{j\}}(t)]\text{\$}$$

$$J_{ij} = N^{-1/2} \sum_{\mu} \xi_i^{\mu} \xi_j^{\mu}$$

$$\text{\$}J_{\{ij\}} = N^{\{\backslash,-1/2\}} \backslash\text{sum}_{\{\mu\}} \backslash\text{xi}_{\{i\}}^{\{\mu\}} \backslash\text{xi}_{\{j\}}^{\{\mu\}}\text{\$}$$