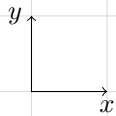


$$\mathbf{f}_i(t) = \mathbf{f}_i^{adj} + \sum_{j \neq i} (\mathbf{f}_{ij}^{soc} + \mathbf{f}_{ij}^c) + \sum_w (\mathbf{f}_{iw}^{soc} + \mathbf{f}_{iw}^c) + \boldsymbol{\xi}_i$$



A diagram illustrating a point \mathbf{x}_i and a radius r_i within a dashed circle, plotted on a grid. A coordinate system is shown in the bottom-left corner with axes labeled x and y .

\mathbf{x}_i

r_i

