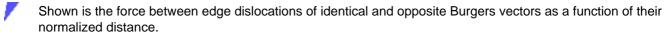
Forces between Edge Dislocations



- The distance **x** between the dislocations is expressed in units of **y**, the distance of the glide planes.
- The force changes from repulsive to attractive or vice verse for a distance x = y, i.e. if the dislocations are at an angle of 45° relative to the glide plane.
- The 45° position is a stable equilibrium position for opposite Burgers vectors, because at this position F = 0, and dF/dx < 0.
- For dislocations with identical **b** vectors, the stable position is at x = 0.

