



- (i) Linear
- (ii) Polynomial ✓  $\rightarrow ax^n + by^m$
- (iii) Radial bias ✓  $\rightarrow e^{-(x^2+y^2)}$
- (iv) Sigmoid ✓
- (v) Hyperbolic tangent (tanh)

Polynomial kernel

$$z = a_1x + a_2x^2 + a_3y + a_4y^2 + C$$

$$\text{degree} = 2$$