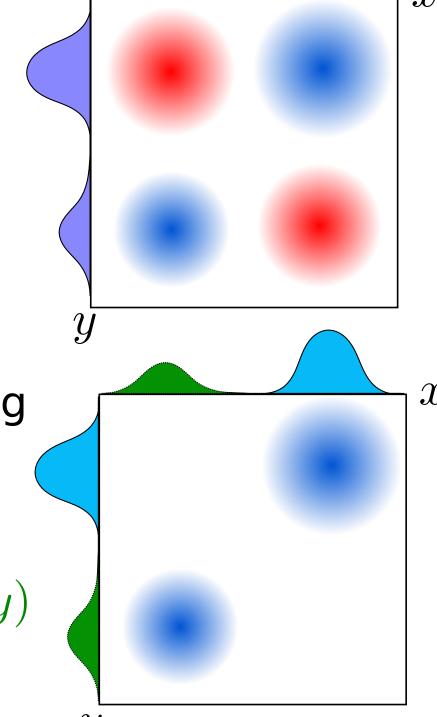
$$p = p(x, y)$$

(a) Standard force fields

$$p \approx p_x(x)p_y(y)$$



(b) Surface hopping

$$p \approx p_x^{(1)}(x)p_y^{(1)}(y) + p_x^{(2)}(x)p_y^{(2)}(y)$$