a) Standard Staggered Grid (SSG)

(i,j)   **(i+1,j)** → **x**

$\blacksquare$ $\sigma_{xx}, \sigma_{yy}, r_{xx}, r_{yy},$
$\mu, \pi, \tau^p, \tau^s, \varrho$

$\square$ $\sigma_{xy}, r_{xy}, \mu_{xy}, \tau^s_{xy}$

$\bullet$ v_x, ϱ_x, f_x

$\circ$ v_y, ϱ_y, f_y

(i,j+1)

y
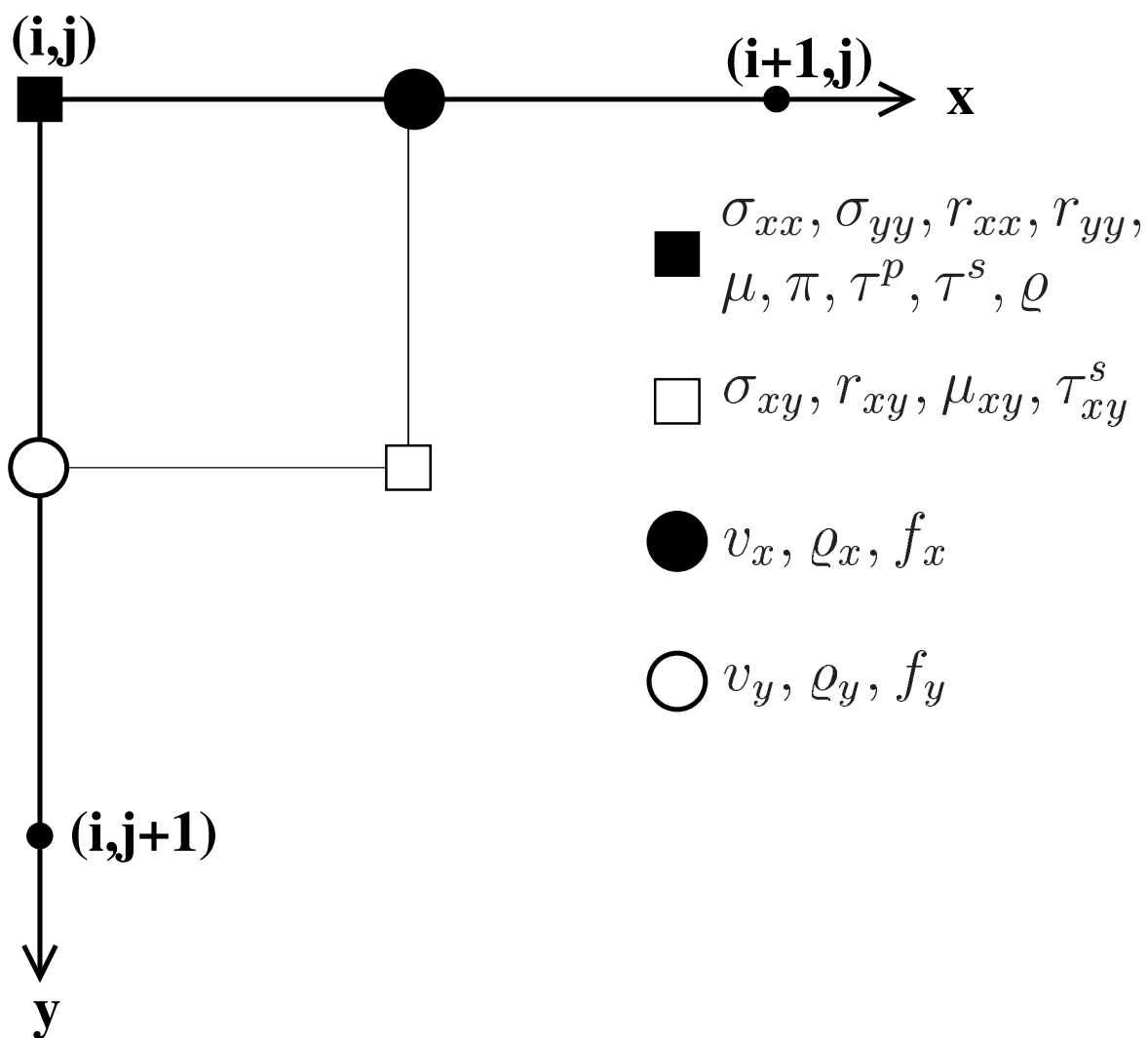
b) Rotated Staggered Grid (RSG)

(i,j)   **(i+1,j)** → **x**

$\blacksquare$ $\sigma_{xx}, \sigma_{yy}, \sigma_{xy},$
$r_{xx}, r_{yy}, r_{xy},$
$\mu, \pi, \tau^p, \tau^s, \varrho$

$\bullet$ $v_x, v_y,$
$f_x, f_y,$
$\bar{\varrho}$

(i,j+1)

y