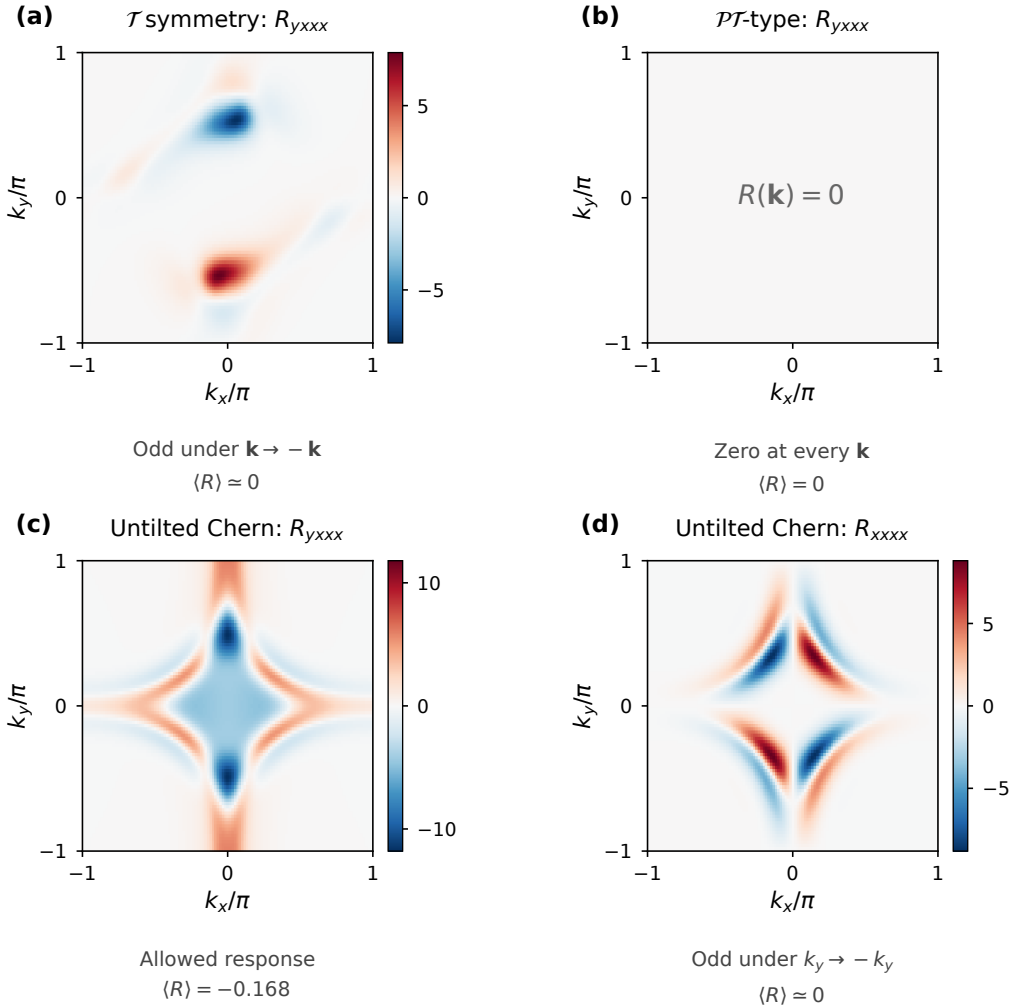

(a)
$\mathcal{T}$ symmetry: R_{yxxx}
k_y/π
k_x/π
Odd under $\mathbf{k} \to -\mathbf{k}$
$\langle R \rangle \simeq 0$
(b)
$\mathcal{PT}$-type: R_{yxxx}
$R(\mathbf{k}) = 0$
k_y/π
k_x/π
Zero at every $\mathbf{k}$
$\langle R \rangle = 0$
(c)
Untilted Chern: R_{yxxx}
k_y/π
k_x/π
Allowed response
$\langle R \rangle = -0.168$
(d)
Untilted Chern: R_{xxxx}
k_y/π
k_x/π
Odd under $k_y \to -k_y$
$\langle R \rangle \simeq 0$