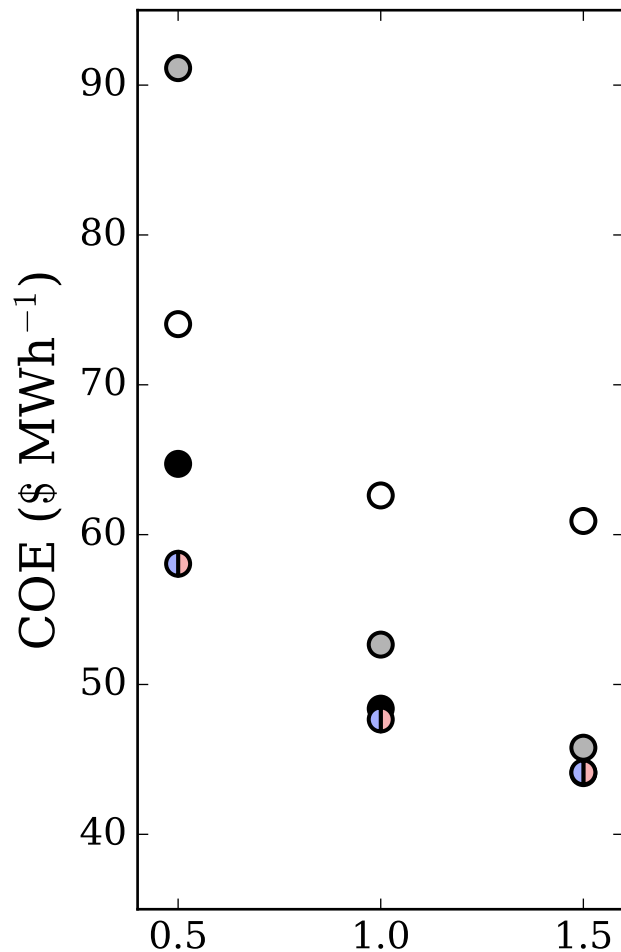
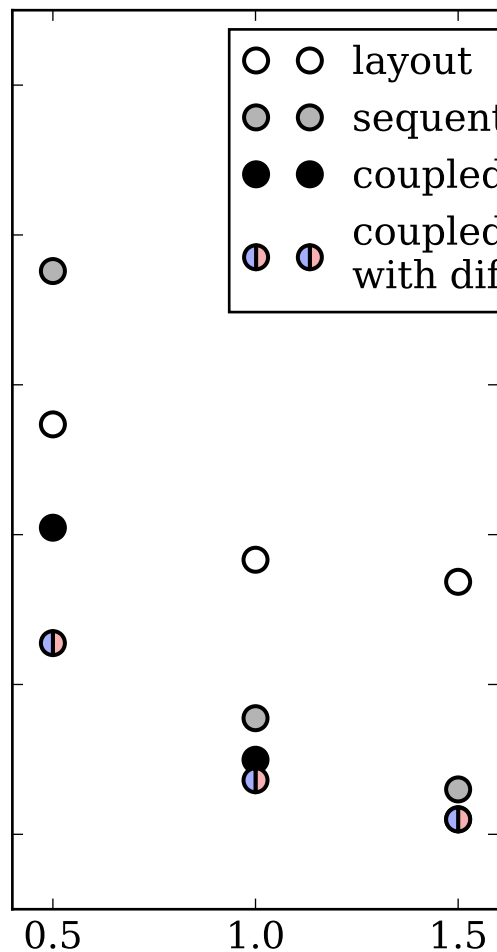


Circular wind farm

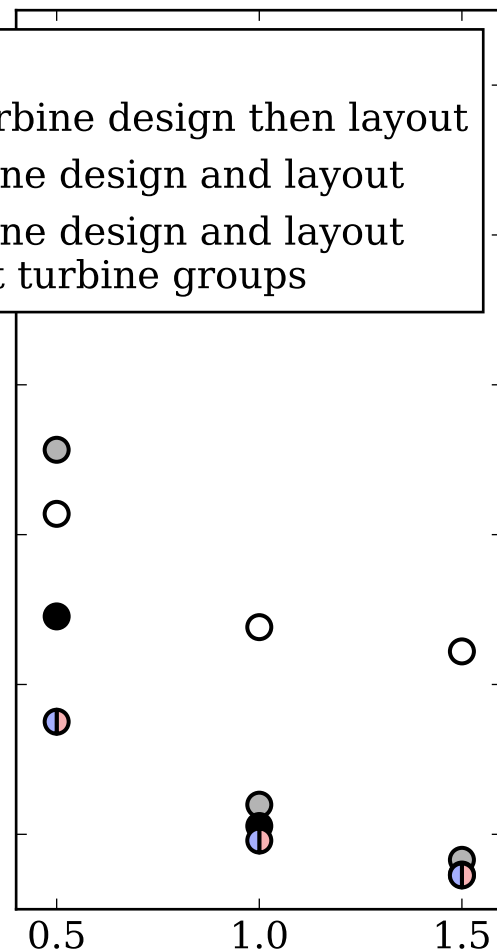
$\alpha = 0.075$



$\alpha = 0.175$



$\alpha = 0.275$



- layout
- sequential turbine design then layout
- coupled turbine design and layout
- coupled turbine design and layout with different turbine groups

spacing multiplier

COE ($\text{\$ MWh}^{-1}$)