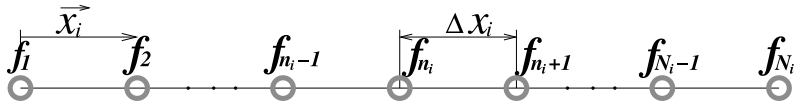


(a) *colocated* :



(b) *Staggered* :

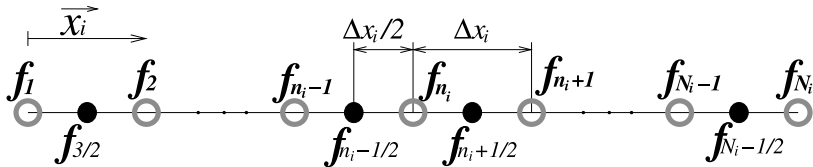


Figure 1: One-dimensional discretization on different grids. Full black dots : grid 'c', gray circles : grid 'f'. a: colocated (only one grid) ; b: staggered ; c: hybrid colocated-staggered.