

$$x_{\text{ran}} = x_{\text{max}} - x_{\text{min}}$$

$$x_{\text{ran0}} = i_{\text{x}(\text{uni})} \Delta x_0$$

$$x_{\text{ran1}} = x_{\text{ran}} - x_{\text{ran0}}$$

$n_x$  cell center and  $(n_x - 1)$  grid spacing

$$\Delta x_0$$

$$\Delta x_0$$

$$\Delta x_0$$

$$\Delta x_0 + \delta x$$

$$\Delta x_0 + 2\delta x$$

...

$$\Delta x_0 + (n_x - 4) \delta x$$

$$\Delta x_0 + (n_x - 4) \delta x$$

$$\Delta x_0 + (n_x - 4) \delta x$$

$(n_x - 2)$  cell center and  $(n_x - 3)$  grid spacing