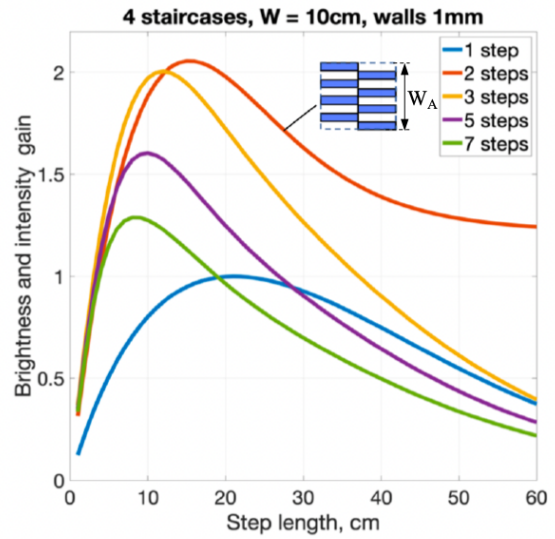


a



b

The brightness gain of 4-staircase moderator assemblies at spallation or compact neutron sources as a function of step length for moderator widths of $W_A = 3$ cm (a) and $W_A = 10$ cm (b). 2-step assembly configurations are depicted.