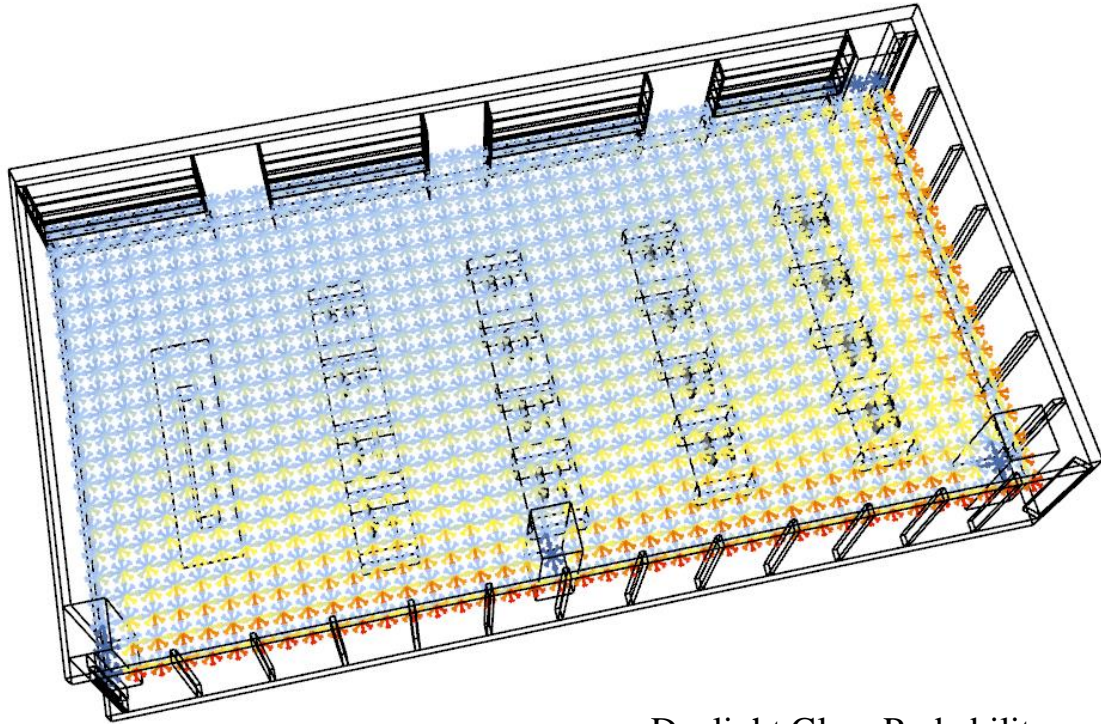# Fast Annual Glare Mapping and Spatial Glare Autonomy

In a room model containing 819 sensor points with eight viewing directions at each, we calculated approximate DGP for 3508 occupied hours in 24 minutes. We use this to calculate spatial glare autonomy, the fraction of occupied hours without glare averaged over all positions and directions. Our method is 10,000 times faster than conventional DGP calculations.
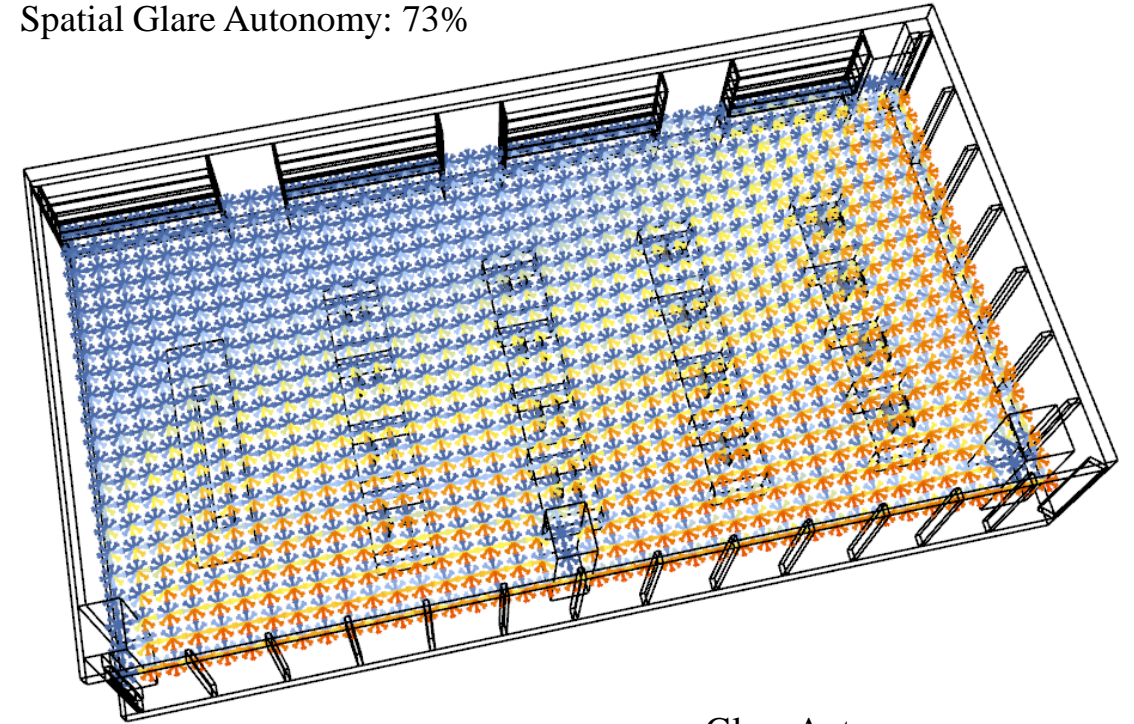

Point-in-Time Glare Map

Daylight Glare Probability

0%   100%

Noon, June 21st

Annual Glare Map

Spatial Glare Autonomy: 73%

Glare Autonomy

0%   100%

Fraction of occupied hours DGP > 35%