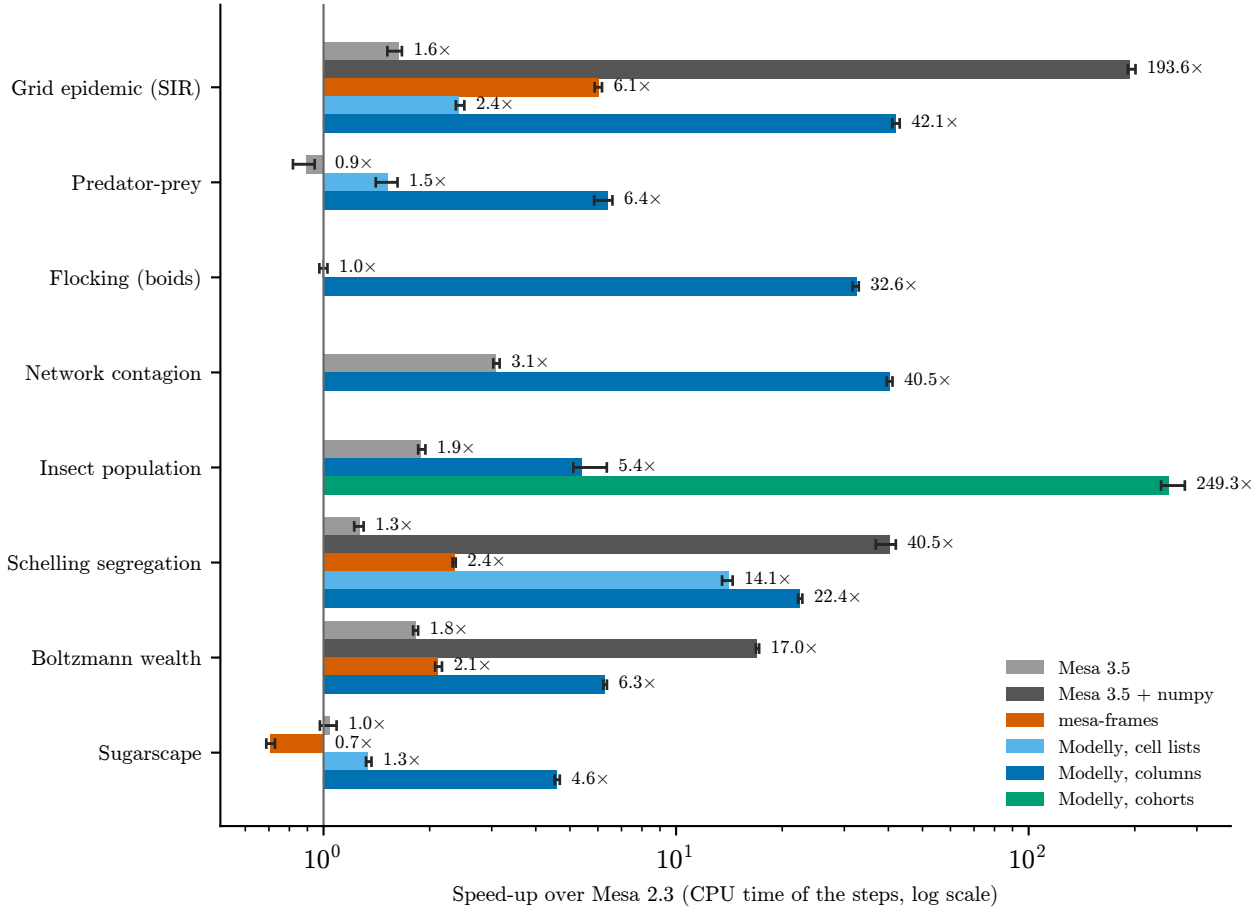

Grid epidemic (SIR)
1.6×
193.6×
6.1×
2.4×
42.1×
Predator-prey
0.9×
1.5×
6.4×
Flocking (boids)
1.0×
32.6×
Network contagion
3.1×
40.5×
Insect population
1.9×
5.4×
249.3×
Schelling segregation
1.3×
40.5×
2.4×
14.1×
22.4×
Boltzmann wealth
1.8×
17.0×
2.1×
6.3×
Sugarscape
1.0×
0.7×
1.3×
4.6×
Mesa 3.5
Mesa 3.5 + numpy
mesa-frames
Modelly, cell lists
Modelly, columns
Modelly, cohorts
10^0
10^1
10^2
Speed-up over Mesa 2.3 (CPU time of the steps, log scale)