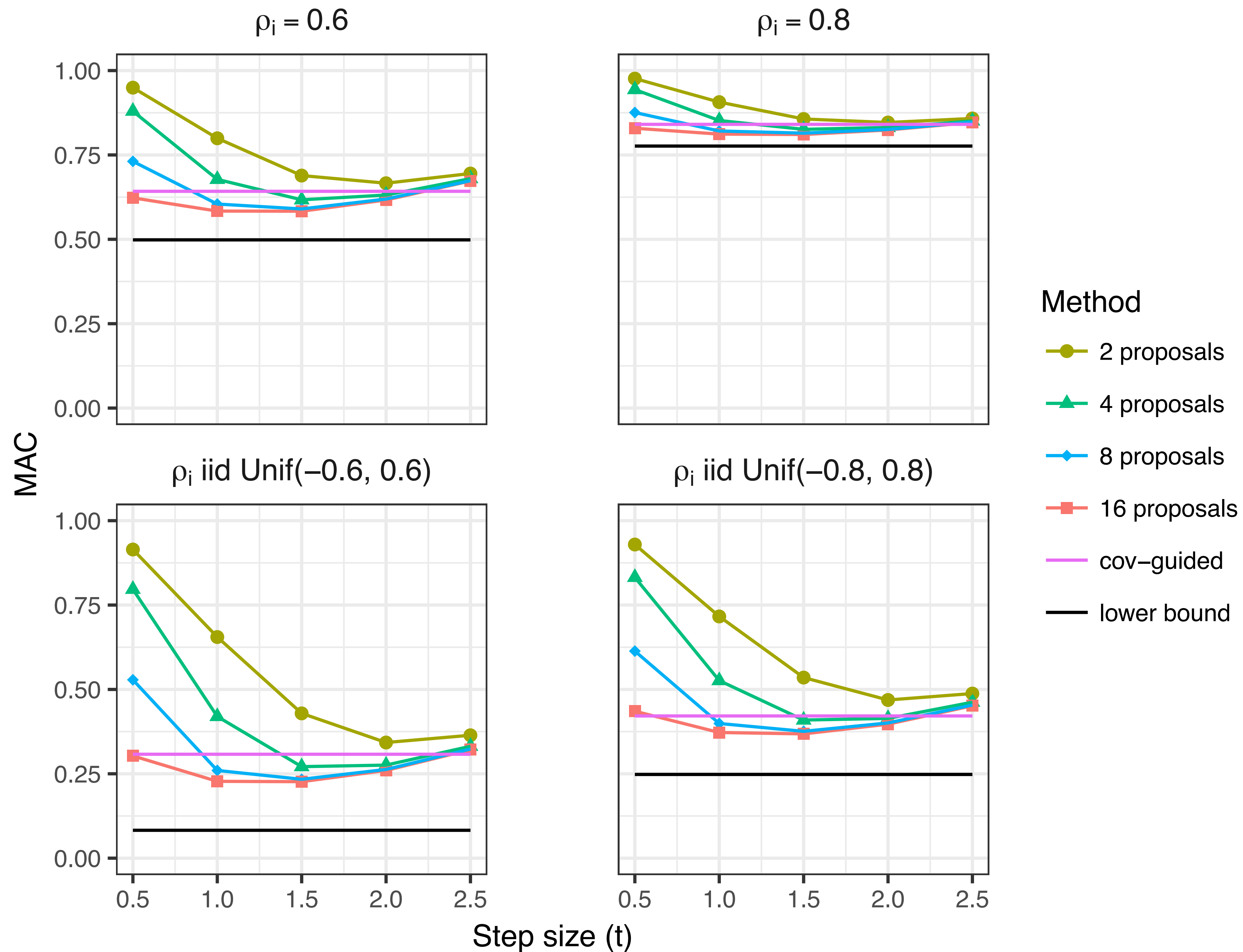


Simulation:  
heavy-tailed Markov chain

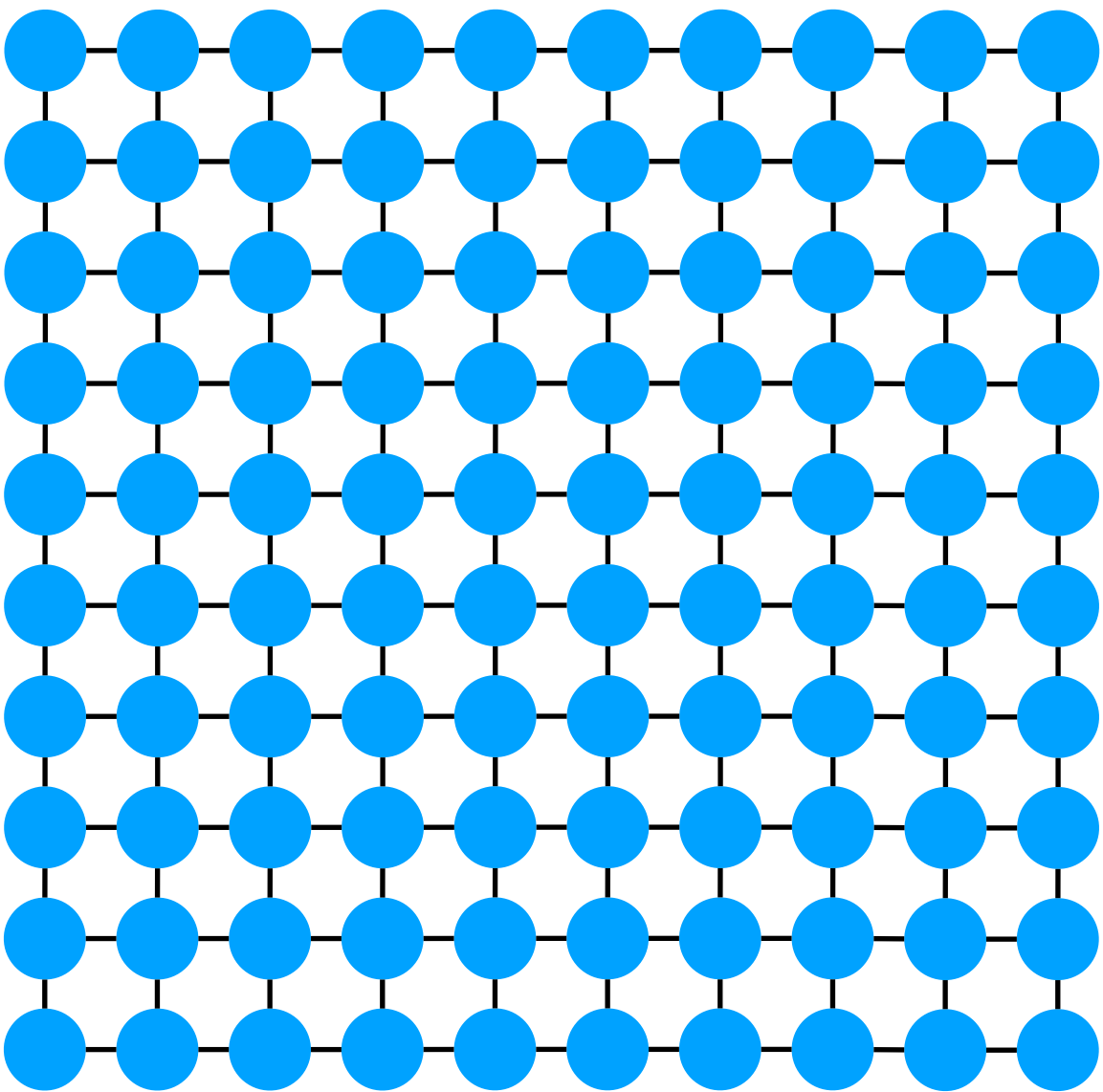
**AR(1) with  $t_5$**   
 $p = 500$



Simulation:  
Gibbs measure on a grid

$$\mathbb{P}(X = x) = \frac{1}{Z(\beta_0)} \exp \left( -\beta_0 \sum_{\substack{s, t \in \mathcal{F} \\ \|s - t\|_1 = 1}} (x_s - x_t)^2 \right), \mathcal{F} \text{ is a } 10 \times 10 \text{ grid}$$

$X \in \{1, 2, \dots, 20\}^{10 \times 10}$



$\beta = 0.01$

