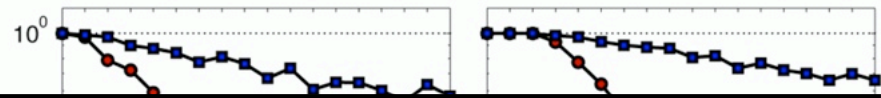


**Q5: Are we confident that quantum spin microscopy will work?**

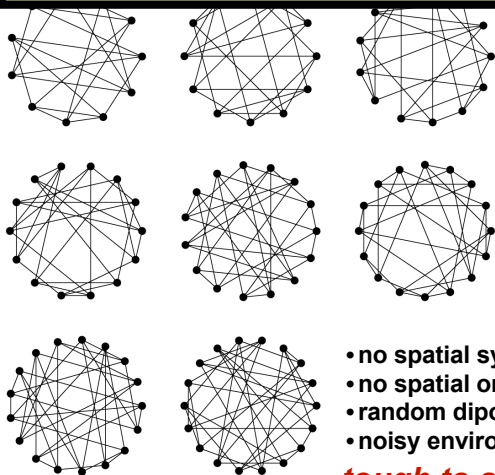
**A5: Product-sum QMOR performs well even in “tough” spin systems**

Numerical simulations of high-temperature spin dust (a deliberately tough challenge)

fidelity of separated representations



**Quantum MOR is robust:**  
**compression is high-fidelity,**  
**even at high temperatures and**  
**without symmetry or ordering**



- no spatial symmetry
  - no spatial ordering
  - random dipole coupling
  - noisy environment
- tough to simulate**

