

Amnon Aharony

Department of Physics

- Statistical physics: phase transitions, critical phenomena, scaling, the renormalization group.
- Self-similar systems, fractals, fractal growth.
- Disordered systems: percolation, glasses, distributions, averaging, self averaging.
- Solid state physics: magnetism.
- Mesoscopic physics: small systems require quantum physics, so not self-average.
- Spintronics and quantum computing.