Energy Entropy -0.2 0.7 0.65 -0.3 0.6 -0.4 0.55 -0.5 \$\sigma(\tau)\$ 0.5 -0.6 0.45 0.4 -0.7 0.35 -0.8 0.3 -0.9 0.25 0.2 2.5 0.5 1 1.5 2 3 0.5 1 1.5 2 2.5 Free Energy **Heat Capacity** \$U(\tau)\$ 0.55 **\$**sigma(\tau)\$ 0.5 -1.2 0.45 -1.4 0.4 0.35 -1.6 0.3 -1.8 0.25 0.2 -2 0.15 -2.2 0.1

3

0.5

1.5

2

2.5

0.5

1.5

2

2.5

Physical Quantities