$iter\_sum_{0,k} = 0$; # for $(0,0)$ and $(2\pi/L, 0)$
normalization_factor = 0;
for *every lattice size* L **do**
  for *every disorder* e **do**
    initialize interaction configuration;
    initialize spin configuration;
    for *warm up period* **do**
      update lattice;
    end
    for *sample period* **do**
      update lattice;
      iter_sum += magnetic susceptibility for current spin config;
      normalization_factor + = 1;
    end
  end
end
ζ calculation from iter_sums;

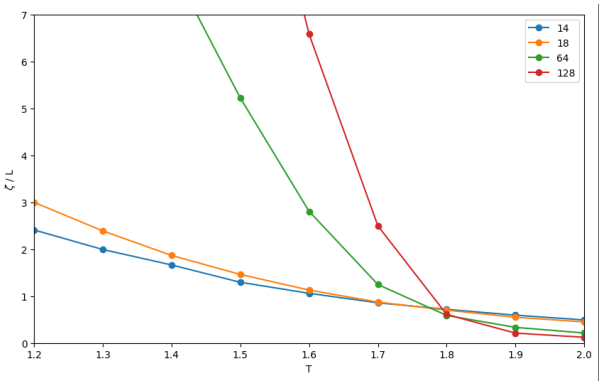

Figure 1: $p = 6\%$ plain mean, $up = 1$, $ne = 1000$, $ni = 1000$, $nw = 10000$

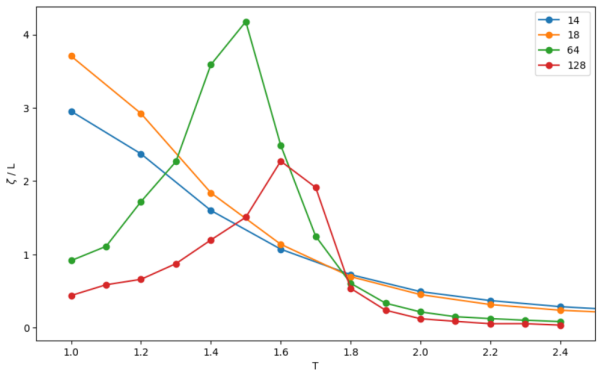

Figure 2: $p = 6\%$ included Boltzmann factor, $up = 0$, $ne = 1000$, $ni = 1000$, $nw = 50000(200000)$

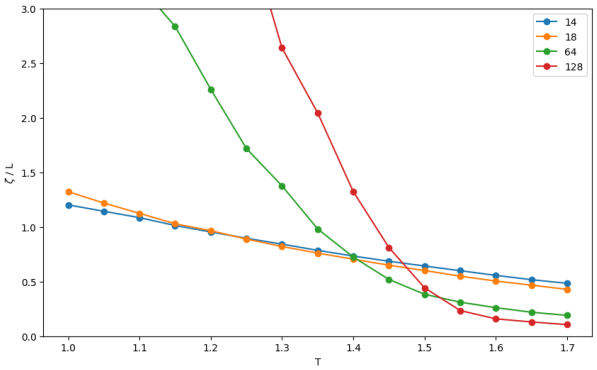

Figure 3: $p = 10.0\%$ plain mean, $up = 1$, $ne = 10000$, $ni = 5000$, $nw = 5000$

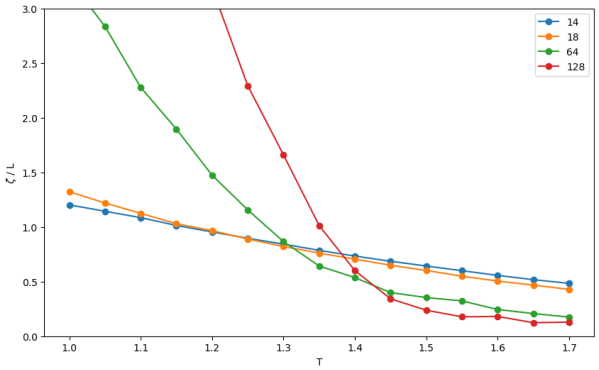

Figure 4: $p = 10.0\%$ plain mean, $up = 1$, $ne = 1000$, $ni = 1000$, $nw = 50000$