An Introduction to Parallel Processing

Home assignment #4

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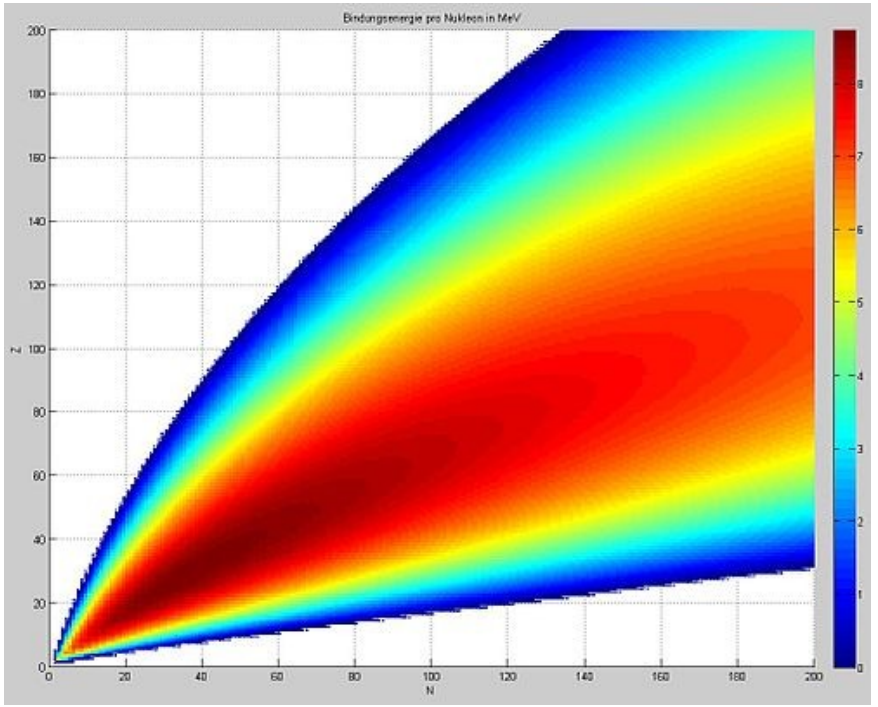
The semi-empirical binding energy formula

- Reference: http://en.wikipedia.org/wiki/Semi-empirical_mass_formula
- $$E_B = a_V A - a_S A^{2/3} - a_C \frac{Z^2}{A^{1/3}} - a_A \frac{(A-2Z)^2}{A} - \delta(A,Z)$$



200x200 computations

- Submit 200 jobs to HTCondor, each will compute 200 points, N=1..200 and Z=1..200
- Post-process the output files to plot Z vs N binding energy surface using tool such as Matlab.
- Submit: Your code, your submit file, the final plot and any other documentation/instructions which you think are relevant.