

## **Task Theory, October, 2024**

1. Read the 2 papers on path sampling (paper van Erp et al. 2007, paper Dellago et al. 2006). Make a presentation that is very educational and that explains the algorithm as if you were teaching to master students. Include the algorithm for the Monte Carlo moves in path space.

2. Choose one of the three other papers:

paper Hummer 2005

Work out all reasonings and math of section 1 to 2.3

paper Hummer & Szabo 2003

Work out all reasonings and math of pages 5 to 8

paper Bello-Rivas & Elber 2015

Work out all reasonings and math of sections I to II.C

I suggest you write your notes in a LaTeX document. A hand-written document can work too if you can be very neat.