CRUNCH Seminars at Brown, Division of Applied Mathematics

Friday - March 15, 2019

Coarse Graining Independent Particles using Mori-Zwanzig Theory

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The coarse graining technique, as used in molecular dynamics simulations, will be introduced, and some of its advantages and disadvantages discussed. This will be done within the context of Mori-Zwanzig theory, focusing especially on treating independent particles and hybrid descriptions of the system.