

## CASTS – TASIAM Joint Lecture Course

*Part I: Tutorial lecture (I)*

2014 - 03 - 13 (Thu.)

09:00 - 12:00

103, Mathematics Research Center Building (ori. New Math. Bldg.)

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Introduction : particle/grid method (1hr)

SPH(smoothed particle hydrodynamics) (5hr))

1. Approximation of functions)
2. Approximation of operators
3. Smoothing functions
4. Fluid dynamics (artificial compressibility)
5. Comments

MPS (Moving Particle Semi-Implicit) : Incompressible flow (3hr))

1. Approximation of operators
2. Pressure equation
3. Solution procedure
4. Comments

