

2015 NITheP Winter School on COMPUTATIONAL PHYSICS

Stellenbosch University
Stellenbosch, South Africa
6-17 July 2015

This winter school will offer a basic introduction to computational and simulation methods used in physics based on the Matlab programming language. The school is aimed at 3rd year, honours level and starting MSc students in physics or applied mathematics having little or no programming experience. Lectures on computational methods will be complemented by hands-on computer lab sessions.

Topics:

- Introduction to Matlab
- Dynamical systems
- Numerical linear algebra
- Chaotic dynamics
- Random numbers
- Stochastic processes
- Monte Carlo methods

Lecturers:

Florian Angeletti (NITheP SU node)
Fabio Cinti (NITheP SU node)
Alan Cornel (NITheP Witz node)
Analabha Roy (NITheP SU node)
Alessandro Sergi (UKZN and NITheP)
Hugo Touchette (NITheP SU node)

Organising committee:

Fabio Cinti (NITheP SU node)
Azwinndini Muronga (UJ and NITheP)
Frederik Scholtz (NITheP SU node)
Hugo Touchette (NITheP SU node)

For attendance information, please contact
René Kotze (renekotze@sun.ac.za)

Applications should be made using the form on
www.nithep.ac.za/4od.htm

Deadline for registration is June 5, 2015

