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M&S Colloquium

Asymptotic Methods in Modeling and Simulation

B. D. Kulkarni

Chemical Engineering Division
National Chemical Laboratory, Pune

Monday, 13 March 2006, 4:00–5:00 PM
Sir C. V. Raman Auditorium, Department of Physics, University of Pune

This lecture will demonstrate the utility of tools of asymptotic analysis before one proceeds for detailed numerical analysis. This lecture will be presented at a level which will be understandable to a cross-section of physicists, chemists, biologists, etc. Examples will be drawn from the speaker's own research.

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Dr. B. D. Kulkarni (Ph.D., Chemical Engineering, 1978) heads the National Chemical Laboratory's Chemical Engineering Division. His areas of research include chemical reaction engineering, mathematical modelling, optimisation and control, process design, fluidization, microemulsions/micelles. He has received numerous honours for his research contributions, including the Shanti Swarup Bhatnagar Prize for Science & Technology: Engineering Sciences & Technology (1989), Herdillia Award for Excellence in Basic Research in Chemical Engineering (1988), Fellow of Third World Academy of Sciences (2002), ChemTech-CEW Award Outstanding Contributor (2000), and Best Scientist of the Year NCL Research Foundation (1992).