

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research
Department of Mathematics*

Computational Science Seminar

Anderson Acceleration: Convergence Theory and Numerical Experience

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Abstract

We will discuss recent results on the local and global convergence of Anderson Acceleration. This is an algorithm for accelerating the convergence of fixed point or Picard iteration. In this talk we will present the first convergence (both local and global) results for the method, illustrate the results with an application to radiative transport, report on some recent results, and list a few open questions.

Date: January 16, 2020 (Thursday)

Time: 3:00 – 4:00pm

Venue: Room 210, Run Run Shaw Bldg., HKU

All are welcome