The f(A)bulous workshop on matrix functions and exponential integrators

Monday, 25 September 2023

Invited talks: Krylov subspaces - **Main/groundfloor-V0.05/2+3 - Prigogine (09:45 - 10:30)**

  -Conveners: Marcel Schweitzer

time	[id] title	presenter
09:45	[20] Limited memory polynomial Krylov subspace methods for matrix functions	FROMMER, Andreas

Invited talks: Network science - **Main/groundfloor-V0.05/2+3 - Prigogine (13:45 - 14:30)**

  -Conveners: Thomas Mach

time	[id] title	presenter
13:45	[17] f(A)bulous networks: an overview of matrix functions in network science	ARRIGO, Francesca

Tuesday, 26 September 2023

Invited talks: Exponential integration - Main/groundfloor-V0.05/2+3 - Prigogine (09:00 - 10:30)

  -Conveners: Stéphane Gaudreault

time	[id] title	presenter
09:00	[21] The joys and challenges of exponential integration	TOKMAN, Mayya
09:45	[7] The $\varphi(A)$bulous matri$\otimes$ functions in exponential integrators for problems with Kronecker structure	CALIARI, Marco

Invited talks: f(A)scinating applications - Main/groundfloor-V0.05/2+3 - Prigogine (13:30 - 15:00)

  -Conveners: Patrick Kürschner

time	[id] title	presenter
13:30	[10] Understanding tensor and tensor decompositions with application to the chemical master equation	SIDJE, Roger
14:15	[19] $f(A)b$ulous ladder networks: From "rigorous" computation of $b^*\exp(tA)b$ to learning $f(A)b$ with unknown A	DRUSKIN, Vladimir

Wednesday, 27 September 2023

Invited talks: Graphs and networks - Main/groundfloor-V0.05/2+3 - Prigogine (09:00 - 10:30)

  -Conveners: Marcel Schweitzer

time	[id] title	presenter
09:00	[15] Computational graphs for matrix functions	FASI, Massimiliano
09:45	[18] Estimating the von Neumann entropy of large matrices	BENZI, Michele