

第七届谱方法及相关应用进展研讨会

06月07日：注册报到		
06月08日上午报告 地点：<u>CSRC 一号报告厅</u> 时间：<u>08:30-12:00</u>		
开幕致辞：08:30-08:40		
08:40-09:20	王立联	Fast spectral methods for PDEs with integral fractional Laplacian in multi-dimensional unbounded domains
09:25-09:50	刘文杰	Polynomial approximation of singular functions in some new fractional Sobolev spaces
09:50-10:15	杨宇博	Numerical solutions of two kinds of time-fractional Maxwell's equations in dispersive media
茶 歇：10:15-10:45 (合影)		
10:45-11:10	易利军	An hp-version of the C^0 -continuous Galerkin time-stepping method for nonlinear second order initial value problems
11:10-11:35	汪 波	An efficient iterative method for solving multiple scattering in inhomogeneous media
11:35-12:00	徐 宽	Computing convolutions, the story so far
午 餐： 时间 <u>12:00-13:45</u> 地点 <u>CSRC 地下一层就餐</u>		
06月08日下午报告 地点：<u>CSRC 一号报告厅</u> 时间：<u>13:45-16:50</u>		
13:45-14:25	李会元	On the construction of H^2 and $H^2(\text{curl})$ conforming spectral elements in two dimensions
14:30-14:55	张 晶	Two types of generalizations of prolate spheroidal wave functions (PSWFs)
茶 歇：14:55-15:25		
15:25-15:50	安聪沛	Regularized weighted least squares approximation by orthogonal polynomials
15:50-16:05	吴浩宁	The numerical study of regularized barycentric interpolation
16:05-16:20	侯典明	Variant of scalar auxiliary variable approaches for gradient flows

16:20-16:35	周晓兰	Reduced-order modelling for the Allen-Cahn equation based on scalar auxiliary variable approaches
16:35-16:50	李 波	Optimal representations of polynomials and global smooth functions by deep neural networks with rectified power units
会议宴会 时间 <u>17:30-20:30</u>		
06 月 09 日上午报告 地点: <u>CSRC 一号报告厅</u> 时间: <u>08:30-12:10</u>		
08:30-09:10	向淑晃	Interpolation and expansion on orthogonal polynomials
09:15-09:40	于海军	Efficient energy stable schemes for time-fractional phase-field systems
09:40-10:05	何 果	Asymptotic method of Gauss-Jacobi quadrature
茶 歇: 10:05-10:30		
10:30-10:55	王海永	Analysis of Fourier approximations to periodic functions with fractional-order singularities
10:55-11:20	赵廷刚	Multi-domain spectral collocation method for nonlinear variable-order fractional differential equations
11:20-11:45	盛长滔	Efficient space-time spectral method for fractional PDEs
11:45-12:10	张中强	Optimal error estimate of spectral methods with quasi-optimal complexity for one dimensional fractional advection diffusion equations
午 餐: 时间 <u>12:10-13:45</u> 地点 <u>CSRC 地下一层就餐</u>		