

Program

All talks will last 25 minutes including 5 minutes for discussion

	Nov. 1	Nov. 2	Nov. 3	Nov. 4
Time	Friday	Saturday	Sunday	Monday
8:30	Registration (13:00-21:00)	沈捷 杜魁 李会元	王立联 徐勤武 徐进	Tour (环岛游)
9:45		Tea Break	Tea Break	
10:05		张然 于海军 李娴娟	王中庆 赵廷刚 宋伦继	
12:00		Lunch	Lunch	
14:30		冯新龙 张俊 梁琴	赵山 周晓军 刘飞	
15:45		Tea Break	Tea Break	
16:05		毛志平 易利军 安静	庄清渠 孙涛 黄灿	
18:00	Dinner	Banquet	Dinner	

Daily Program

Conference Venue: Shiyuan Building (实验楼) S105, Haiyun Campus of Xiamen University (厦门大学海韵园)

Friday, November 1, 2013		
13:00-21:00	Registration (Venue: Wujing Xiamen Sanatorium)	
Saturday, November 2, 2013		
A.M.		
8:00-12:00	Registration (Venue: S105)	
8:20-8:30	Opening Remarks	
Room S105	Session I: Chair 许传炬	
8:30-8:55	An efficient spectral method for scattering in unbounded rough surfaces	沈捷
8:55-9:20	Matrix decomposition algorithms for arbitrary order C^0 tensor product finite element systems	杜魁
9:20-9:45	Sobolev-orthogonal polynomial approximations and the fully diagonalized spectral-Galerkin method on the unit ball	李会元
9:45-10:05	<i>Tea break</i>	
Room S105	Session II: Chair 王中庆	
10:05-10:30	Analysis of collocation solutions for nonstandard Volterra integral equations	张然
10:30-10:55	Spectral methods for the study of global stability of plane shear flow	于海军
10:55-11:20	Convergence analysis of Chebyshev spectral Galerkin methods for weakly singular Volterra integral equations	李娴娟
11:20-14:30	<i>Lunch break</i> 武警疗养院	
P.M.		
Room S105	Session III: Chair 张然	
14:30-14:55	Implicit-explicit Runge-Kutta methods for phase-field models	冯新龙
14:55-15:20	Finite difference/spectral approximations to a water wave model with a nonlocal viscous dispersive term	张俊
15:20-15:45	Pseudo-spectral method for self-consistent field equations of wormlike chain on a spherical surface	梁琴

15:45-16:05	<i>Tea break</i>	
Room S105	Session IV: Chair 冯新龙	
16:05-16:30	Legendre Spectral Methods for two dimensional fractional differential equations	毛志平
16:30-16:55	An h-p version Petrov-Galerkin FEM for nonlinear Volterra integro-differential equations	易利军
16:55-17:20	各向异性介质逆电磁波传输问题有效的谱元方法及其应用	安静
18:00	宴请: 牡丹万鹏宾馆 (17:50 在海韵园门口乘车前往)	
Sunday, November 3, 2013		
A.M.		
Room S105	Session V: Chair 沈捷	
8:30-8:55	Defeating ill-conditioning of collocation methods: polynomials and PSWFs	王立联
8:55-9:20	Multi-domain spectral collocation method for fractional differential equations	徐勤武
9:20-9:45	Investigation on using different high-order bases for some applications	徐进
9:45-10:05	<i>tea break</i>	
Room S105	Session VI: Chair 容志建	
10:05-10:30	A multistep Legendre-Gauss spectral collocation method for nonlinear Volterra integral equations with delays	王中庆
10:30-10:55	Legendre-collocation method for nonlinear Volterra-type integro-differential equations of the second kinds	赵廷刚
10:55-11:20	Interior penalty discontinuous Galerkin methods with implicit time-integration techniques for nonlinear parabolic equations	宋伦继
11:20-14:30	<i>Lunch break</i> 武警疗养院	
P.M.		
Room S105	Session VII: Chair 王立联	
14:30-14:55	Time domain interface methods for electromagnetic wave propagation in dispersive media	赵山
14:55-15:20	一类耦合分数阶微分方程组的理论分析及数值方法	周晓军
15:20-15:45	Efficient spectral method for variable coefficients and nonlinear differential equations with applications	刘飞
15:45-16:05	<i>Tea break</i>	

Room S105	Session VIII: Chair 李会元	
16:05-16:30	一类具有非线性边界条件四阶方程的数值求解: 紧差分逼近与谱逼近	庄清渠
16:30-16:55	Some spectral approximations in one dimension and their applications	孙涛
16:55-17:20	Spectral methods for spectrum computation of non-oscillatory and highly oscillatory kernels with weak singularity	黄灿
18:00	晚餐 武警疗养院	
Monday, November 4, 2013		
9:00-11:00	参观, 8:30 在酒店门口集合	
12:00	午餐, 武警疗养院	
18:00	晚餐, 武警疗养院	