STABILITY CRITERIA FOR MULTI-DIMENSIONAL WAVES AND PATTERNS

Workshop Schedule

Monday, May 16, 2005
9:00 am - Christopher K.R.T. Jones: The Evans function: historical development
11:30 am - Bjorn Sandstede: Spatial dynamics: Evans functions in multi-D I
Lunch
2:30 pm - Yuri Latushkin: Evans functions and Fredholm determinants I
4:00 pm - Discussion: topics to be discussed in breakout groups
Happy Hour

Tuesday, May 17, 2005
9:00 am - Bjorn Sandstede: Spatial dynamics: Evans functions in multi-D II
10:30 am - Christopher K.R.T. Jones: The Maslov index in multi-D problems
Lunch
2:30 pm - Yuri Latushkin: Evans functions and Fredholm determinants II
4:00 pm - Breakout groups: 3 parallel sessions on:
Waves and phenomena in multi-D
Multiscale problems and curved fronts/shocks
Functional-analytic tools
Happy Hour
6:45 pm - Workshop Banquet

Wednesday, May 18, 2005
9:00 am - Brief reports from the breakout groups
9:30 am - Breakout session (continued)
11:15 am - Reports & discussion
Lunch
2:00 pm - Breakout groups: 2 parallel sessions on:
Numerical computation of Evans functions (with short presentations by
Derks, Malham, Humpherys, Bindel)
From spectral to nonlinear stability (with presentations by Zumbrun & Williams)
Happy Hour

Thursday, May 19, 2005
9:00 am - Discussion sessions in plenum: Dynamics of patterns (moderator: Yasumasa Nishi)
10:30 am - Discussion sessions in plenum: Hamiltonian PDEs (moderator: Gianne Derks)
Lunch
2:00 pm - Discussion sessions in plenum: Numerical computations (moderator: Bjorn Sandstede)
4:00 pm - Open discussion sessions in small groups
Happy Hour
Friday, May 20, 2005
9:00 am - Problems: 5 minutes each - Discussion session in plenum: collect topics and themes
Lunch
2:00 pm - Wrap-up
Happy Hour