

Mo 12 and Tu 13 Oct_____

9:30 Start of the meeting
17:00 ISSI Reception

E Pariat and G Valori Welcome and information
E Pariat and G Valori Status of the project

Paper I: Volume methods, LL TD JL tests

G Valori Summary of results with volume methods
K Moraitis Test cases results with a volume method for helicity calculation
S Anfinogentov A better volume method for helicity estimation:
remarks on potential field and vector potential calculations
J Tahlmann Effect of non-zero divergence on helicity-in-volume computation
S Yang Discussion of magnetic helicity calculations and a suggestion
to the Remote Magnetic Helicity Calculation System
Y Guo Twist and Magnetic Helicity of Magnetic Flux Ropes for
Theoretical and Numerically Simulated Models
All Group discussion on Paper I

We 14 Oct_____

Paper II: Flux and Connectivity methods, JL and FC tests

E Pariat and Y Liu Flux method in James' simulation
E Pariat and Y Liu Flux method in Feng Chen simulation
M Georgoulis Connectivity method applied to Feng Chen's simulation
F Chen New flux emergence simulation
All Group discussion on Paper II

Th 15 Oct_____

Physics with Helicity: New methods and results

M Georgoulis Physics with Magnetic Helicity: Active Regions, Quiet Sun,
and the CME Magnetic Field
E Pariat Magnetic helicity evolution in eruptive & non-eruptive flux
emergence simulations

Paper III and beyond: Application to solar magnetograms

Y Guo Twist and Magnetic Helicity of Magnetic Flux Ropes:
Applications to extrapolated data
G Valori Extrapolation test: preliminary volume results

Meeting dinner at 8pm in the Restaurant 'Rosengarten'

Fr 16 Oct_____

Homeworks: Computation and writing tasks

All Group discussion

12-ish End of meeting