

Mo 1 Dec Physics with Helicity

ISSI & G Valori Welcome and information

E Pariat Magnetic Helicity estimations in models and observations of the solar magnetic field

M Georgoulis Physical Aspects of Magnetic Free Energy and Relative Helicity in Solar Magnetic Structures: All Things Considered

Y Guo Twist Accumulation and Topology Structure of a Solar Magnetic Flux Rope

Y Liu Magnetic Helicity in Solar Active Regions: Some Observational Results

F Chen A coronal model driven by magnetic flux emergence

Tu 2 Dec Methods of computation: Volume methods

J Tahlmann Volume relative helicity in the Coulomb gauge

S Anfinogentov Relative helicity computation. Pitfalls on the way to the real data processing

S Yang Modeling the relative magnetic helicity in the MHD simulations

G Valori Volume relative helicity in the DeVore gauge

K Moraitis What can we learn from the comparison between two relative-helicity calculation methods in solar active regions?

We 3 Dec Methods of computation: Flux and Connectivity methods

E Pariat Testing magnetic helicity conservation in active-like events

M Georgoulis Self-Consistent Calculation of Magnetic Free Energy and Relative Helicity in Solar Magnetic Structures via a Connectivity-Based Method

E Pariat Computing helicity flux density

Th 4 Dec Test cases and analysis strategies

Team Discussion

Meeting dinner at 8pm in the Restaurant 'Kornhauskeller'

Fr 5 Dec Homework: Computation and writing tasks

Team Discussion

12-ish End of meeting