

Workshop program

Thursday 16 January

- 09:00 Opening (Michal Dušek)
- 09:10 Lecture: Determination of magnetic structures - why and for whom? (Ondřej Šipr)
- 10:00 Lecture: Symmetry of magnetic crystals (Václav Janovec)
- 10:50 Coffee break
- 11:15 Lecture: Diffraction pattern of magnetic structures, magnetic structure factor, refining of magnetic structures (Václav Petříček)
- 12:00 Distribution of flash disks and installation of programs
- 12:30 Lunch
- 13:30 Powder option in Jana2006 (Václav Petříček)
- 14:00 Solution of Examples 12.1 - 12.3
(Powder data, no or commensurate propagation vector)
- 15:00 Coffee break
- 15:15 Solution of Examples 12.1 - 12.3 (continued)
- 18:00 End

Friday 17 January

- 09:00 Lecture: A short introduction to (magnetic) superspace (Václav Petříček)
- 09:30 Introduction to the Example 12.4 (Václav Petříček)
(Powder data, incommensurate propagation vector)
- 09:40 Introduction to the Example 5.2 (Michal Dušek)
(Simple incommensurate structure solved from single crystal x-ray data)
- 09:50 Coffee Break
- 10:00 Solution of Examples 5.2 and 12.4
- 12:30 Lunch
- 13:30 Workshop Photo
- 13:45 Lecture: Refinement of twinned crystals (Karen Friese)
- 14:15 Solution of the Example 12.5
(Twinned single crystal data, commensurate propagation vector)
- 15:00 Coffee break
- 15:15 Introduction to the example 12.6 (Václav Petříček)
- 15:20 Solution of the Example 12.6
(application of ISODISTORT)
- 18:00 End of workshop