

Workshop program

Monday 15 October

- 09:00 Opening (Michal Dušek)
- 09:10 Lecture: Determination of magnetic structures - why and for whom? (Ondřej Šipr)
- 10:00 Lecture: Symmetry of commensurate and incommensurate magnetic structures (Juan Manuel Perez-Mato)
- 10:50 Lecture: Magnetic representational analysis (Branton J. Campbell)
- 11:15 Coffee break
- 11:30 Lecture: Introduction to powder refinement (Václav Petříček)
- 12:00 Distribution of flash disks and installation of programs
- 12:30 Lunch
- 13:30 Solution of Example 2.1 (PbSO_4 – simple standard structure from powder data to get familiar with Jana2006 powder tools)
- 14:30 Lecture: Diffraction pattern of magnetic structures, magnetic structure factor, refining of magnetic structures (Václav Petříček)
- 15:00 Coffee break
- 15:15 Introduction to the example 12.1 (Václav Petříček)
- 15:25 Solution of Example 12.1 (simple magnetic structure, $k=0$)
- 18:00 End

Tuesday 16 October

- 09:00 Demonstration: ISODISTORT (Branton J. Campbell)
- 10:00 Demonstration: Bilbao Crystallographic Server (Juan Manuel Perez-Mato)
- 10:15 Coffee Break
- 10:30 Introduction to the examples 12.2 and 12.3 (Václav Petříček)
- 10:45 Solution of Examples 12.2 and 12.3 (commensurate magnetic structures)
- 12:30 Lunch
- 13:30 Solution of Examples 12.2 and 12.3 (continued)
- 15:00 Coffee break
- 15:15 Introduction to the example 12.4 (Václav Petříček)
- 15:30 Solution of Example 12.4
- 18:00 End of workshop