



Prof. Dr. Robert E. Dinnebier

Max Planck Institut für Festkörperforschung ■ Heisenbergstraße 1 ■ D-70569 Stuttgart ■ Germany

Telefon: +49 (0)711 689 1503

Fax: +49 (0)711 689 1502

E-mail: r.dinnebier@fkf.mpg.de

<http://www.fkf.mpg.de/xray>

WS 2011/12

Symmetry in Crystallography: Theory & Practice

Lecture (2 SWS) for the University of Stuttgart in cooperation with the MPI-FKF Stuttgart and the faculty of Geosciences at the University of Tübingen.

Start: Tuesday October 18th, 2011, 8:30 am, seminar room 7D2, MPI-FKF, Heisenbergstrasse 1, 70569 Stuttgart.

Language: English

Main topics:

- 1.) Vectoralgebra in crystallography
- 2.) Simple cristallographic calculations (Base transformations etc.)
- 3.) Symmetry elements of the point- and space groups
- 4.) Basics of group theory
- 5.) Understanding the International Tables Volumes A/A1
- 6.) Practical applications and exercises