

Texture School @ CZM-Clausthal-Zellerfeld

29th September- 1st October, 2015

Registration Form

Title: Mrs., Mr., Dr.

Family Name:.....

Given Name:.....

Affiliation:.....

Address:

Phone:.....

FAX:.....

E-Mail:.....

Course fee: 300 €(academic)
 600 €(industry)

The number of participants is limited for the course.

Date Signature.....

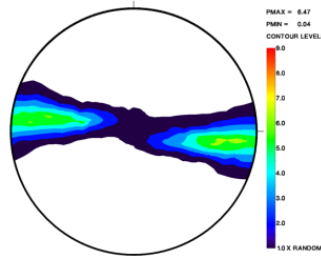
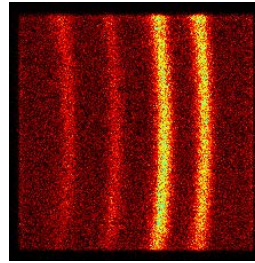
Website: www.iww.tu-clausthal.de

FAX-Registration: 49(0) 4152 872666

Email-Registration:
heinz-guenter.brokmeier@tu-clausthal.de

September- 29, 2015

From Area Detector pictures to pole figures



Lectures

- Introduction in crystallographic textures
- X-ray Pole figure measurements
- Neutrons Pole figure measurements
- Synchrotron Pole figure measurements
- EBSD measurements
- Principle ways of data treatment

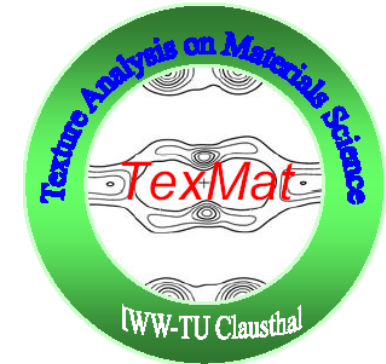
Practicals

- Extraction of pole figure data using the Sabo software

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Clausthal-Zellerfeld

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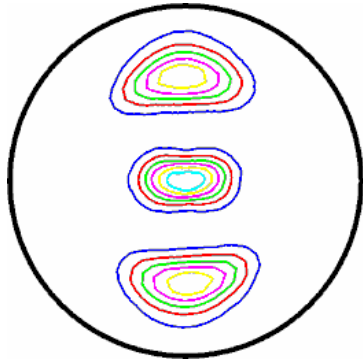


TEXMAT

Texture Analysis on Materials Science
IWW – TU Clausthal
H.-G. Brokmeier

September- 30, 2015

Interpretation of pole figures



Lectures

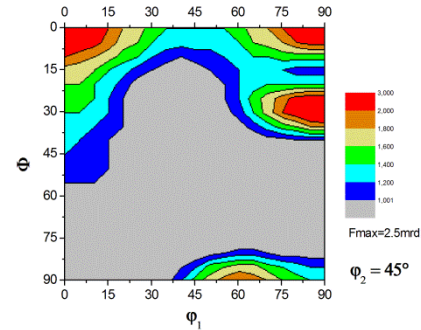
- Definition of pole figure (type of projection, pole figure window, pole figure statistics, number of pole figures, normalisation, RP-values, . . .)
- Extraction of pole figure data using STECA and practice

Practicals

- Basic information of pole figure
- Interpretation of pole figure symmetry and its meaning
- Ideal components (hkl)<uvw> and ideal fiber texture in cubic and hexagonal materials)
- Crystallographic relation between pole figures (cubic, hexagonal)

October-1, 2015

Interpretation of the orientation distribution function



Lectures

- Introduction in the orientation distribution functions (ODFs)
- TUC- ODF, Basic information
- Interpretation of ODFs (ideal components, orientation fibres)
- MTEX for ODF calculation and practice
- Anisotropic properties after ODF calculation

Practicals

- Extraction of pole figure data using MAUD

IWW-TU Clausthal
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