

# Acta Crystallographica Section A

## FOUNDATIONS AND ADVANCES

Impact factor 2.31



Acta A has two parts, a rapid-publication *Advances* section – introduced in 2014 – and the traditional *Foundations* section. Articles for the *Advances* section are of particularly high value and impact. They receive expedited treatment and may be highlighted by an accompanying scientific commentary article and a press release.

### Recent *Advances* articles

#### MicroED data collection and processing

J. Hattne *et al.* (2015). *Acta Cryst.* A71, 353–360 

#### Identification of inversion domains in $\text{KTiOPO}_4$ via resonant X-ray diffraction

F. Fabrizi *et al.* (2015). *Acta Cryst.* A71, 361–367 

#### Solution of the phase problem at non-atomic resolution by the phantom derivative method

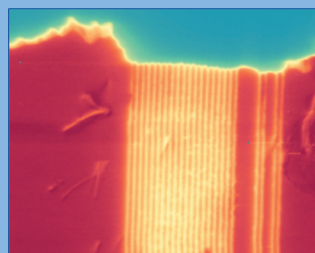
C. Giacovazzo (2015). *Acta Cryst.* A71, 483–512

### Forthcoming special issue

#### 100 years of the Debye Scattering Equation

Over the past 20 years, the rising interest in nanomaterials and the ever-growing power and availability of computers has revived interest in the Debye Scattering Equation, which is now a paradigm in the analysis of matter at the nanoscale.

This special issue will contain selected papers from the workshop ‘100 years of the Debye Scattering Equation’ to celebrate the centenary of the publication of P. Debye’s paper on ‘Zerstreuung von Röntgenstrahlen’ [*Ann. Phys.* (1915). 351, 809–893].



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## Aims and scope

*Acta Crystallographica Section A: Foundations and Advances* publishes articles reporting advances in the theory and practice of all areas of crystallography in the broadest sense. As well as traditional crystallography, this includes nanocrystals, metacrystals, amorphous materials, quasicrystals, synchrotron and XFEL studies, coherent scattering, diffraction imaging, time-resolved studies and the structure of strain and defects in materials.

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