

# **DIFFRACTION IMAGING OF THE GENERAL PARTICLE**

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## **Abstract**

For many years crystallographers have been performing high-resolution lensless imaging of the unit cells of crystals by x-ray diffraction. With the arrival of more powerful x-ray sources it now appears probable that the technique can be successfully extended to general small structures. Assuming that this is so, a result will be a large increase in the consumption of photons, as well as in the range of structures which can be imaged. The subject, including imaging resolution issues, will be briefly reviewed.