



High-resolution x-ray diffraction pattern of a buried nanostructure; using a series of such patterns, 3D images of nonperiodic structures are reconstructed with a 50-nm resolution. The technique used could lead to x-ray diffraction microscopy capable of imaging a single biomolecule at near-atomic resolution. See article 088303; see also the Phys. Rev. Focus article at <http://focus.aps.org/v10/st6.html>.

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