

X-ray scattering by nanostructure

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X-ray scattering links nanoscale structure to reciprocal-space intensity. The tutorial introduces diffraction, SAXS, GISAXS and GID for layers, nano-wires and -dots, emphasizing finite-size shape, strain and truncation rods. Complementing the microscopy tutorials on individual objects, the focus here is on scattering from statistical ensembles.