ASTAR: Orientation & Phase map of Nd based magnetic material

{111} pole figures for Iron and Neodymium hydride

Acquired on a JEOL 2100F
500x500 pixels  Step size: 2 nm
Precession angle: 1.2°
100 fps

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Virtual Bright Field

Orientation Map - z

Grain boundaries

Blue lines represent twin boundaries reconstructed with a tolerance of 5° from 60°<111>.

Courtesy Dr. A. Darbal NanoMEGAS USA, JEOL ARM200F
Step size: 2 nm, Precession angle: 0.4°
ASTAR: Copper Grain size distribution

Grain Boundaries map  
Cu fcc

Grain Boundaries map with twins (red)  
Cu fcc

Courtesy: Dr. A. S. Sologubenko, ScopeM, ETH Zurich, Switzerland

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