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Chromatic and polychromatic radiation for crystal orientation

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Modern Physics and Materials Science need a variety of innovative methods for characterization of materials. X-rays served as the best radiation for determining the orientation of single crystals, one important step in many advanced technologies in semiconductor industries and other. In the presentation, we will discuss the usage of both kinds of radiation, monochromatic and polychromatic in achieving the goal of determining high accuracy and precision for determining crystal orientation. The exact equation of orientation for both cases will be given along adequate parametrizations very useful in applications.

Biography

Danut Dragoi has completed his PhD at the age of 47 years from the University of Denver and postdoctoral studies from California Institute of Technology. He worked in Academia and Industry. He retired this year. He has published more than 70 papers in reputed journals and two books, one at Amazon and the other on Scholars' Press.

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