

Decomposition in Stereological Unfolding Problems.

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Abstract: Some new results in an old problem of stereological unfolding in particle systems are presented. Under the conditional independence property of particle section parameters the multivariate unfolding problem can be decomposed into a series of simpler problems. The general idea is applied to the unfolding of trivariate size-shape-orientation distribution of spheroids using the vertical uniform random sampling design.

Keywords:

AMS Subject Classification: