

Horálek, Vratislav

On geometric-optical projection of spatial particle size distribution. (English) Zbl 0575.60100
Kybernetika 21, 85-95 (1985).

A stereological model devoted to the relationship between the spatial particle size distribution and the distribution of circles gained by geometric-optical projection (not orthogonal projection) of these particles when recorded on a photography is presented.

MSC:

60K99 Special processes
60D05 Geometric probability and stochastic geometry

Cited in 1 Document

Keywords:

stereological model; spatial particle size distribution; geometric- optical projection

Full Text: [EuDML](#)

References:

- [1] R. Bexon C. D. Bishop, J. Gibbs: Aerosol sizing by holography using the QUANTIMET Cambridge Instruments. *News of Interest on Image Analysis Techniques, Equipment and Applications*, 1975, No. 3.
- [2] V. Horálek: Statistical Model for the Analysis of Aerosol Size Particle Distribution. (in Czech). Res. Report SVUSS, 1979.
- [3] J. Likeš, J. Laga: Basic Statistical Tables. (in Czech). SNTL, Praha 1978.
- [4] M. Abramowitz, I. A. Stegun: Handbook of Mathematical Functions. Dover Publication, Inc., New York 1970. · [Zbl 0515.33001](#)
- [5] Z. Horák F. Krupka, V. Šindelář: Technical Physics. (in Czech). SNTL, Praha 1961.
- [6] M. Miler: Holography. (in Czech). SNTL, Praha 1974.

This reference list is based on information provided by the publisher or from digital mathematics libraries. Its items are heuristically matched to zbMATH identifiers and may contain data conversion errors. It attempts to reflect the references listed in the original paper as accurately as possible without claiming the completeness or perfect precision of the matching.