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Intensity estimation for non-isotropic Boolean models via harmonic intrinsic volumes

This talk concerns the estimation of the intensity of stationary non-isotropic Boolean models. In two and three dimensions the intensity can be represented as a series of densities of harmonic intrinsic volumes. In two dimensions we also give the explicit numerical values of the involved constants and illustrate the usefulness of the formula for the estimation of the intensity by means of parametric examples of increasing degree of anisotropy.