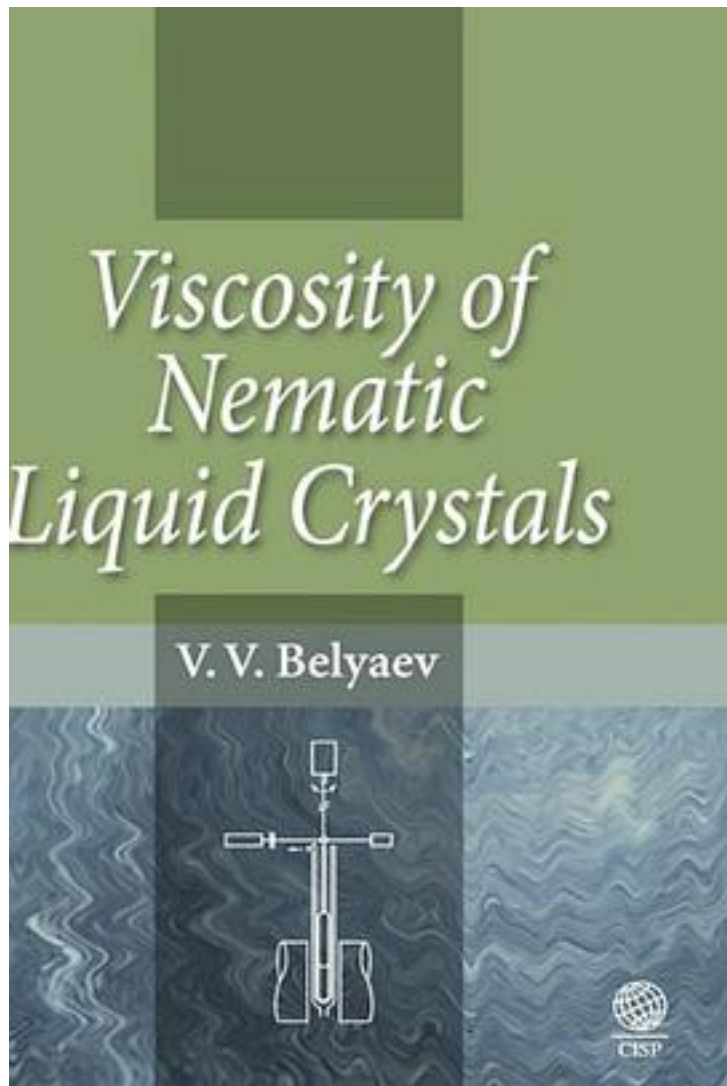


# Viscosity of Nematic Liquid Crystals



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著者:Belyaev, V. V.

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This is the first book giving a systematic account of the hydrodynamic properties of anisotropic liquids (nematic liquid crystals) and describing methods for measuring the anisotropic viscosity and experimental dependence of the viscosity of nematic liquid crystals on all thermodynamic parameters, compared with empirical approaches developed earlier, molecule-statistical and molecule-dynamic theories. The author offers a highly accurate calculation method for predicting the level of viscosity. The structure of modern liquid crystal materials for optoelectronic devices is analysed in detail from the standpoint of preparation of mixtures with optimum viscosity and flow rate.

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