

NMR VELOCITY MAPPING AND RHEO-NMR
IN COMPLEX LIQUIDS

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S u m m a r y

By using the NMR technique, we have determined the velocity distribution and the rate of strain in a micelle solution (cetylpyridinium chloride and sodium salicylate) below and above a critical shear rate and have studied the isotropic and stress-induced ordered nematic phases in a micelle solution CTAB/D₂O in a cylindric Couette cell.