

Abstract Submitted
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Dynamic light scattering in an aqueous solution of 3-methylpyridine¹ DIMITRY IVANOV, ANNA TRUBETSKAYA, University of Maryland, ANDREI KOSTKO, Virginia Commonwealth University, MIKHAIL ANISIMOV, JAN SENGERS, University of Maryland — We report a set of dynamic light scattering experiments in an aqueous solution of 3-methylpyridine. The dynamic correlation functions appear to exhibit two modes: one associated with a normal diffusion process and another one with network relaxation. The observed correlations seem to be associated with long-living nonequilibrium structures. To obtain further insight into this phenomenon we have made systematic studies of the nature of the observed dynamics as a function of time and concentration.

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