Mathematical model for homogenizing in agitator vats of the polystyrene solutions in o-Xylene

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Abstract. After the rheological study of polystyrene in o- xylene solutions was completed, the mathematical model for the homogenizing process in agitator vats was established. The model was compared with previous data for other non-Newtonian solutions of polymers in aromatic solvents.

Keywords: non - Newtonian fluids, homogenizing process, mathematical model