The life and time of mathematician Antonin Novotny
E. Feireisl

Abstract: This is a humble attempt to present certain results obtained by Antonin Novotny and his collaborators on problems in mathematical fluid mechanics. In particular, we discuss his contribution to the theory of multipolar fluids and associated measure–valued solutions, compressible Navier–Stokes system in both stationary and evolutionary regime, numerical analysis, and, last but not least, qualitative properties of solutions to the transport equation.