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**Frontal wave of pressure flow.** (Russian. English summary) [Zbl 1462.76156](#)  
Vestn. Syktyvkar. Univ., Ser. 1, Mat. Mekh. Inform. 23, No. 2, 3-12 (2017).

Summary: The model of a pressure flow of a structured liquid is analyzed. An inhomogeneous solution of the diffusion-kinetic equation is constructed in the region of nonmonotonicity of the discharge-pressure characteristic. This solution corresponds to a heteroclinic trajectory connecting two stable homogeneous states.

**MSC:**

**76N30** Waves in compressible fluids

**Keywords:**

pressure flow; homogeneous equilibrium states; heteroclinic trajectory; traveling wave