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**The boundary-value problem in the layer for evolution pseudodifferential equations with integral condition.** (English) [Zbl 1424.35367](#)

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Summary: Boundary-value problems for evolutionary pseudo-differential equations with an integral condition are studied. The necessary and sufficient conditions of the well-posedness are obtained for these problems in the Schwartz spaces. Existence of a well-posed boundary-value problem is proved for each evolutionary pseudo-differential equation.

**MSC:**

[35S10](#) Initial value problems for PDEs with pseudodifferential operators

**Keywords:**

pseudo-differential equations; boundary-value problem; Fourier transform; Schwartz space

**Full Text:** [Link](#)