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Mixed problem for a loaded system of equations with Riemann-Liouville derivatives. (English. Russian original) [Zbl 1325.35264](#)

Math. Notes 97, No. 3, 412-422 (2015); translation from *Mat. Zametki* 97, No. 3, 428-439 (2015).

Summary: A system of two Riemann-Liouville partial differential equations with constant coefficients is studied. The existence and uniqueness theorem for the solution of the mixed problem is proved and its Green function is constructed.

MSC:

35R11 Fractional partial differential equations

Cited in **2** Documents

Keywords:

Riemann-Liouville partial differential equation; Green matrix function; fractional differentiation operator; Wright-type function

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References:

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