

A note on the Dirichlet problem for model complex partial differential equations

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Abstract: Complex model partial differential equations of arbitrary order are considered. The uniqueness of the Dirichlet problem is studied. It is proved that the Dirichlet problem for higher order of complex partial differential equations with one complex variable has infinitely many solutions.

Keywords: Dirichlet problem, homogeneous partial differential equation, inhomogeneous partial differential equation, complex analysis with one variable

2015 Mathematics Subject Classification: 94B05, 94B15

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