ABSTRACT

ALMANSI TYPE DECOMPOSITIONS FOR SECOND ORDER OPERATORS

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With help of explicit form of coefficients in the Almansi decomposition obtained earlier polynomial solution of homogeneous Dirichlet problem for Poisson equation and polynomial solution of nonhomogeneous Dirichlet problem for Laplace equation are given.

Key words: Almansi decomposition, polynomial solutions, Dirichlet problem, Poisson equation
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