

عنوان مقاله:

A Method For Solving Poisson Equation on Irregular Domains

محل انتشار:

همایش منطقه ای پژوهشهای نوین در ریاضی (سال: 1390)

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خلاصه مقاله:

In this paper a new method for solving Poisson equation with Dirichlet condition on non-rectangular domains is presented . For this purpose a numerical differentiation method applying non-equidistant points are introduced . This type of numerical differentiations is used for solving Poisson problems on irregular domains.The numerical differentiation method applying non-equidistant points are introduced . The numerical results show the efficiency and performance of proposed method

کلمات کلیدی:

(Poisson Equation , Dirichlet condition , Finite differences method (FDM

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