

## عنوان مقاله:

The Interpolating Element-Free Galerkin Method for Transient Heat Conduction Problems

## محل انتشار:

دومین همایش ملی پژوهش های کاربردی در ریاضی و فیزیک (سال: 1393)

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## خلاصه مقاله:

An interpolating element-free Galerkin (IEFG) method is presented for transient heat conduction problems. The shape function in the moving least-squares (MLS) approximation does not satisfy the property of Kronecker delta function, so a moving Kringing (MK) interpolation is discussed. Combining the shape function constructed by the MK approximation and Galerkin wake form of the 2D transient heat conduction problems, the IEFG method for transient heat conduction problems is presented, and the corresponding formula are obtained

## کلمات کلیدی:

Interpolating element-free Galerkin method, Moving Kringing interpolation, Transient heat conduction problems, Meshfree method

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/381190>

