

## عنوان مقاله:

A FAST MESH-FREE GALERKIN METHOD FOR THE ANALYSIS OF STEADY-STATE HEAT TRANSFER

## محل انتشار:

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## نویسندگان:

S. Forouzan-sepehr S. Forouzan-sepehr  
Soheil Dr. Mohammadi - *University of Tehran*

## خلاصه مقاله:

The element-free Galerkin method is employed for two-dimensional analysis of steady-state heat transfer. The unknown response of the system, i.e. temperature is approximated using the moving least squares technique. Numerical integration of governing simultaneous system of equations is performed by Gauss quadrature and new modified nodal integration techniques. Numerical examples and tests have proved that the new methods remain in an acceptable level of accuracy while providing less expensive and much faster approaches.

## کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1736013>

