عنوان مقاله:

Experimental and Numerical Analysis Methods to increase Heat efficiency of fireplace Models

محل انتشار:

اولین کنگره سالیانه جهان و بحران انرژی (سال: 1394)

تعداد صفحات اصل مقاله: 5

نویسنده:

Pouyan Alaei - *Department of Mechanical Engineering, Najafabad University, esfahan, Iran; P.O.B۵۳۷۱۴-۱۶۱, ۳۵thkm of Esfahan-najafabad Road, Iran*

خلاصه مقاله:

In this article we study numerical and experimental methods for especial fireplace that release more heating to warm buildings with lowest consumption of fuel .inthis case effective parameters for increasing efficiency of fireplace to optimum fuel consumption will be changed.also geometry and structure of especial fireplace to calculate radiation factor and heating functions changed in several exams and amount of releasing heat into the building for acceptable range oftemperature obtained.experimental results compared with numerical analysis that show maximum heating ofbuilding occurred when radiation factor concentration cross out of fireplace.these results obtain after test completely

کلمات کلیدی:

fire place,radiation heat transferring, heating efficiency,optimum fuel consumption

لینک ثابت مقاله در پایگاه سیویلیکا:

https://civilica.com/doc/402777