## عنوان مقاله:

HEAT TRANSFER MODELING OF FLAME IN CEMENT KILNS USING CFD

## محل انتشار:

دومین کنفرانس و نمایشگاه بین المللی صنعت سیمان، انرژی و محیط زیست (سال: 1392)

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## خلاصه مقاله:

This paper presents application of computational modeling to cement kiln. The study includes the modeling of coal combustion, heat transfer and flame formation in the kiln. k-Epsilon model for turbulence and eddy dissipation model for coal combustion were used in the numerical CFD code ANSYS CFX model. Effects of air inlet on flame profile have been studied. The computational models have been demonstrated the advantage of the swirling air on flame .profile and temperature distribution

كلمات كليدى:

لینک ثابت مقاله در پایگاه سیویلیکا:

https://civilica.com/doc/238079

