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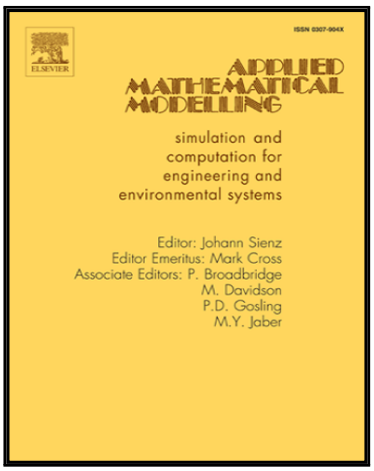

An advanced dynamic process model for industrial horizontal anode baking furnace

Noura Oumarou , Duygu Kocaefe , Yasar Kocaefe

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Highlights

- Advanced dynamic process model for industrial horizontal anode baking furnace
- Coupling of fluids gas and solids parts through an interface at the brick surface on the flue side
- Model prediction of bi-dimensional behaviour of the flue gas
- Pseudo tridimensional prediction of the solids behaviour
- Anode baking performance study to reduce energy consumption.

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