

عنوان مقاله:

Simulation of a pilot reactor for dehydrogenation of paraffins using CFD :A case study

محل انتشار:

هشتمین کنفرانس بین المللی مکانیک، ساخت، صنایع و مهندسی عمران (سال: 1400)

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خلاصه مقاله:

Simulation of a fixed bed reactor of a LAB pilot plant was carried out using Computational Fluid Dynamics (CFD) in this paper. The continuity, momentum and heat transfer equations were solved using CFD. A parametric sensitivity analysis was performed to extend the optimized operating conditions such as H₂/HC ratio, temperature and pressure

کلمات کلیدی:

CFD, fixed bed reactor, LAB pilot plant, mono-olefins

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