

عنوان مقاله:

Application of Nanofluids in Propylene Refrigeration Cycle in Olefin Plant

محل انتشار:

همایش کاربرد نانوتکنولوژی در صنایع نفت و پتروشیمی (سال: 1390)

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خلاصه مقاله:

Nanofluids are suspensions of nanoparticles in fluid that show significant enhancement of their properties at modest nonoparticle concentrations. Nanofluids increase heat transfer dramatically so they can be utilized in many industrial applications, nuclear reactors, transportation, electronics, and biomedicine and food industries. This paper focus on presenting the broad range of current and future applications that involve nanofluids, and especially on nanofluids future application in propylene refrigeration cycle in olefin plant, after replacement of cooling water with CuO/Water .nanofluid Simulation results didn't indicate considerable increase in heat duty of heat exchangers

کلمات کلیدی:

Nanofluid, Nanoparticle, Propylene refrigeration cycle, olefin plant

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