

**THERMAL CONDUCTIVITY OF SOME OXIDE SYSTEMS
II. STEAM REFORMING CATALYST**

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Abstract: *The coefficients of thermal conductivity were determined, for a steam reforming catalyst obtained by the mixture of nickel oxide with aluminous cement and for a steam reforming catalyst obtained by the impregnation of the support, made of aluminous cement with nickel salts, by the used of a calibrated device for measuring thermal conductivity for solid state bodies. The coefficient of thermal conductivity of the catalyst obtained through impregnation is larger than the one of the catalyst obtained through the mechanical mixture of its components, due to the better thermal continuity among the grains of material produced through the impregnation process.*

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