Physical properties of Fe₂O₃-Cr₂O₃ catalytic system.
I. Structural properties

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ABSTRACT

Measuring the network parameters of $\alpha$ - Fe₂O₃ for the catalyst's dust brought us to the following values: $a_0=5.413\text{"A}$, $\alpha=55^{0}18'$. Inside the catalyst the chromium oxide forms a solid solution with the iron oxide. The particles' dimensions, obtained through electronic micrographics lay between $5\times10^3$ and $1\times10^2$ Å. Crystallites are small, that is to say with a length of about $10^4$ Å, with little pores spread along the particle which give it a sword like look.

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