REGULATION OF TURNING CO INTO CO₂ WITH THE HELP OF THE MATHEMATICAL MODEL ON FCC

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The bed’s temperature in the regenerator is probably the most important variable in a fluid catalytic cracking (FCC) unit. While regenerator temperature is a major factor in gas-oil cracking, it plays an even more important role in cracking of atmospheric and vacuum resid.

Both the mechanics and kinetics of coke burning were researched. The mathematic model of the acid regeneration process of the catalizator in a catalytic cracking was developed. We prevent harmful gas from going into atmosphere. Thus environment is not violated regulating the burning of CO in CO₂.