

# The Methods of the Reactor Calculation to Obtain Carbon Nanostructure Materials in the Vibrofluidized Layer

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**Key words and phrases:** carbon nanostructure materials, pyrolysis reactors.

**Abstract.** As a result of the team-research of the Tambov State Technical University, “Tambov plant “Komsomolets” named after N.S.Artyomov” and “Tambov technological innovation center of mechanical engineering” the main rules of the pyrolysis process in the propane-butane mixture with Ni-MgO catalyst for obtaining carbon nanostructure material (CNM) were revealed. These rules form the basis of the methods offered by the authors for the reactor calculation to obtain CNMs in the vibrofluidized layer.

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