

Study of receptor properties of organophosphorous dendrimer various generations toward vapors of aliphatic alcohols and water

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Abstract

The paper describes a method and algorithm for calculating the composition and thermodynamic properties of different fuels combustion taking into account the chemical reactions. The questions of choice of the condensed phases were considered and also presented equations for calculating the transport properties of the gas phase of combustion products. The results of calculating the composition and thermodynamic properties as well as the transport properties for two special composite fuels at atmospheric pressure in the temperature range 500-2500 K are presented.