

Calculation features of the supply system of fluidized metal fuel in the flow regime of the retarded dense layer

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The paper presents some results obtained in research on the flow regimes of pseudofluidized powdery metals (SGP). It specifies the operational aspects of dust SGP injectors. The authors work out a procedure of calculating the supply systems of pseudofluidizing powder materials. The results of the research can be used to develop some prototypes of power and energy systems operating with use of powdered metals.

Keywords: *engine, powdery metals, pseudofluidizing, pneumatic transport, losses of pressure, bearing gas.*

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