



## Flow over a Backward-facing step with Rotating Cylinder

By Sumit Kumar

LAP Lambert Academic Publishing Dez 2015, 2015. Taschenbuch. Book Condition: Neu. 220x150x3 mm. This item is printed on demand - Print on Demand Neuware - Flow separation and subsequent reattachment exert an important influence on the mechanism of heat transfer. In some cases, they have a harmful effect such as uneven heat loading in thermal equipment, but in others, they produce a beneficial effect like heat transfer enhancement point. Thus, in engineering practice, it is quite essential to understand the basic mechanism of heat transfer in separating and reattaching flows. A backward-facing step is one of the most fundamental geometries where the flow separation and reattachment occur. Flow past a backward-facing step has a variety of engineering applications such as energy system equipment, electronic cooling, cooling of nuclear reactors, cooling of turbine blades, combustion chambers, environmental control systems, and many other devices. 52 pp. Englisch.



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