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NUMERICAL ANALYSIS OF TRANSITION EFFECTS FOR SCRAMJET INTAKE FLOWS



Shaker Verlag Jul 2010, 2010. Taschenbuch. Condition: Neu. Neuware - A combined investigation based on numerical analysis and experimental examination of SCRamjet intake geometries is undertaken within the Research Training Group (GRK) 1095/1. It is the purpose of this thesis to focus on the examination of laminar to turbulent transition for hypersonic boundary layers and its influence on the shock wave/boundary layer interaction for intake flows. First, the work presents a summary of the flow phenomena that have to be...

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- Authored by Martin Krause
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