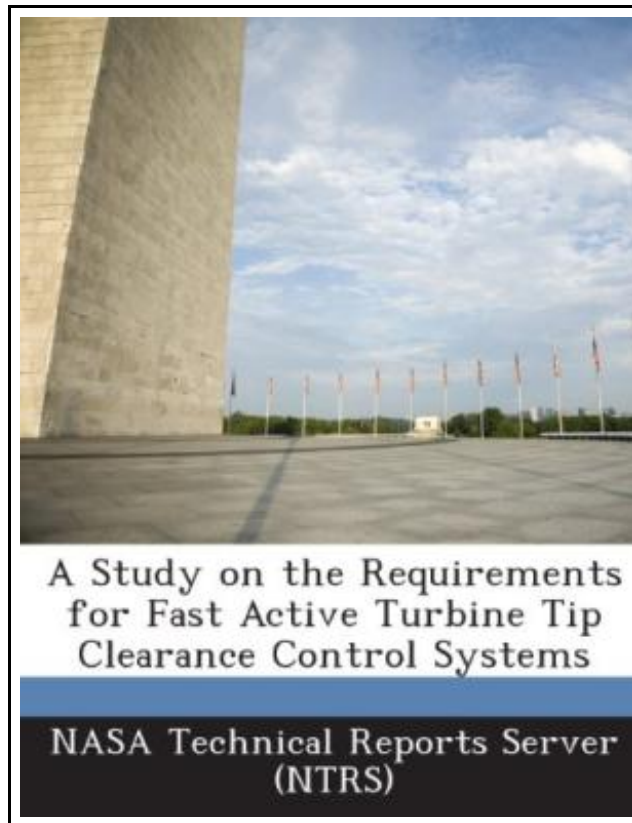


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A STUDY ON THE REQUIREMENTS FOR FAST ACTIVE TURBINE TIP CLEARANCE CONTROL SYSTEMS



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