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CONTENTS

Summary: Conditions are obtained for the existence and uniqueness of flows behind two dimensional curved stationary magnetogasdynamic shocks. These conditions are discussed in detail. First order partial derivatives of the flow variables are calculated in the two dimensional case.

Summary: In this paper, the preemptive resume priority queue problem with Erlangian Inputs and general service time distributions has been studied by solving and equivalent priority model in which unites are served in batches. The queue length distribution and the distribution of the lenth of busy periods have been obtained.

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