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Necessary and Sufficient Condition for Existence and Uniqueness of the Solution of Cauchy Problem for Holomorphic Fuchsian Operators

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Abstract: In this paper a Cauchy problem for holomorphic differential operators of Fuchsian type is investigated. Using Ovcyannikov techniques and the method of majorants, a necessary and sufficient condition for existence and uniqueness of the solution of the problem under consideration is shown.



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