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Title:	Differential subfields of liouvillian extensions
Authors:	Srinivasan, V.R. (/jspui/browse?type=author&value=Srinivasan%2C+V.R.)
Keywords:	Differential automorphisms Differential equations Differential fields Liouvillian extensions
Issue Date:	2020
Publisher:	Academic Press Inc.
Citation:	Journal of Algebra, 550, pp.358-378.
Abstract:	For an ordinary differential field k of characteristic zero, we will prove structure theorems for intermediate differential subfields of liouvillian extensions of k . We apply our results to produce large classes of non linear differential equations having no liouvillian solutions that are transcendental over k .
URI:	https://www.sciencedirect.com/science/article/pii/S0021869320300326?via%3Dihub (https://www.sciencedirect.com/science/article/pii/S0021869320300326?via%3Dihub) http://hdl.handle.net/123456789/3478 (http://hdl.handle.net/123456789/3478)
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