cases	doc_1	doc_2	decision	id
			DUPLICATES	1125

doc_1	
authors	• O. Kaptsov • A. V. Zabluda
title	Characteristic invariants and Darboux's method
publication_date	2004-10-18 00:00:00
source	SupportedSources.SEMANTIC_SCHOLAR
journal	Journal of Physics A
volume	38
doi	10.1088/0305-4470/38/14/005
urls	• https://www.semanticscholar.org/paper/45d9f18dcc0b8351615d8a662347aeaf5ca27be3
id	id6930561518323298766
abstract	We develop a method that allows us to derive reductions and solutions to hyperbolic systems of partial differential equations. The method is based on using functions that are constant in the direction of characteristics of the system. These functions generalize well-known Riemann invariants. As applications we consider the gas dynamics system and ideal magnetohydrodynamics equations. In special cases, we find solutions of these equations depending on some arbitrary functions.
versions	

doc_2	
authors	• O. V. Kaptsov • A. V. Zabluda
title	Characteristic invariants and Darboux's method
publication_date	2004-10-18 13:54:20+00:00
source	SupportedSources.ARXIV
journal	None
volume	
doi	
urls	• http://arxiv.org/pdf/nlin/0410026v1 • http://arxiv.org/abs/nlin/0410026v1 • http://arxiv.org/pdf/nlin/0410026v1
id	id8080965297959615211
abstract	We develop method that allows to derive reductions and solutions to hyperbolic systems of partial differential equations. The method is based on using functions that are constant in the direction of characteristics of the system. These functions generalize well-known Riemann invariants. As applications we consider the gas dynamics system and ideal magnetohydrodynamics equations. In special cases we find solutions of these equations depending on some arbitrary functions.
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