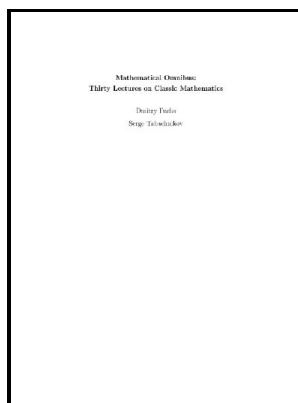


# Projective differential geometry old and new - from the Schwarzian derivative to the cohomology of diffeomorphism groups

Cambridge University Press - [PDF] Projective Differential Geometry Old and New: From the Schwarzian Derivative to the Cohomology of Diffeomorphism Groups



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Cambridge tracts in mathematics -- 165Projective differential geometry old and new - from the Schwarzian derivative to the cohomology of diffeomorphism groups  
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## Schwarzian derivative

Ideas of projective geometry keep reappearing in seemingly unrelated fields of mathematics. The expanding property is highly significant for analyzing dynamics.

**Ovsienko V., Tabachnikov S. Projective Differential Geometry Old and New: From the Schwarzian Derivative to Cohomology of Diffeomorphism Groups [PDF]**

Ideas of projective geometry keep reappearing in seemingly unrelated fields of mathematics.

## Schwarzian derivative

Seller Inventory LHB9780521831864 Book Description Gebunden. Does anybody have any insights? It is also naturally a complex manifold and this and other natural geometric structures are compatible with those on Teichmüller space. From this condition and the recurrence relation, it follows that up to scalar multiples, this has a unique non-zero solution when  $\lambda$  equals 0, 1 or 2 and only the zero solution otherwise.

## dg.differential geometry

This book provides a rapid route for graduate students and researchers to the frontiers of contemporary research in this evergreen subject.

**Introduction to Mobius differential geometry.**

. Page personnelle de Valentin Ovsienko U. Thus, it occurs in the theory of the , and in particular, in the theory of and.

**9780521831864: Projective Differential Geometry Old and New (From the Schwarzian Derivative to the Cohomology of Diffeomorphism Groups)**

About half of the book is devoted to one-dimensional projective differential geometry and related topics: differential operators, the cohomology of the group of diffeomorphisms of the circle, the classical four-vertex theorem, its numerous generalizations and their significance to symplectic and contact topology. The book opens by discussing the Schwarzian derivative and its connection to the Virasoro algebra. The curvature along the meridians is increased, and the curvature in directions parallel to the axis is decreased.

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A final chapter considers various versions of multi-dimensional Schwarzian derivative. The smallest such  $k$  is said to be the order of  $\Gamma$ .

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. A particular case of transitive pseudogroups are those which are flat, i.

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