INSALATE DI MATEMATICA

presents

02/11/2022
SARA PERLETTI
Frobenius manifolds and other flat structures

Abstract:

I introduce Frobenius manifolds as geometric objects with deep roots in mathematical physics, discussing their relations with the Witten-Dijkgraaf-Verlinde-Verlinde equations and cohomological field theories. I then focus on non-semisimple regular Frobenius manifolds and some generalizations of them, providing examples arising from Nijenhuis geometry.

Keywords: Frobenius manifolds · WDVV equations · regularity

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"Obvious" is the most dangerous word in mathematics.
(Eric Temple Bell)