1027-14-17   **Alina Marian** (`alina.marian@yale.edu`), Yale University, New Haven, CT 06520, and **Dragos Oprea*** (`oprea@math.stanford.edu`), Stanford University, 450 Serra Mall, Stanford, CA 94305.
The level-rank duality for non-abelian theta functions.

The moduli spaces of bundles on a smooth projective curve carry naturally defined Theta line bundles. The non-abelian theta functions are global sections of tensor powers of these line bundles.

Spaces of non-abelian theta functions are related by a geometric isomorphism (oftentimes termed "strange duality") which interchanges the rank of the bundles that make up the moduli space and the tensor power (level) of the Theta line bundle whose sections we consider.

This isomorphism follows from a version of the classical Wirtinger duality, generalized to the setting of non-abelian theta functions.

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