

# Turkish Journal of Mathematics

Turkish Journal

The Verlinde algebra is twisted equivariant K-theory

of

Daniel Freed

Mathematics

**Abstract:** The Verlinde algebra, which mathematically appears in the theory of loop groups and is related to moduli spaces of bundles over curves, turns out to be describable in terms of K-theory. This is a joint discovery with M. Hopkins and C. Teleman. Here we explain in heuristic terms how this fits naturally into ideas about the Chern-Simons topological field theory.

 [Keywords](#)  
 [Authors](#)

---

Turk. J. Math., **25**, (2001), 159-168.

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Math., vol.25, iss.1.](#)



[math@tubitak.gov.tr](mailto:math@tubitak.gov.tr)

[Scientific Journals Home  
Page](#)