

Vertex algebra approach to cohomology of foliations

Alexander Zuevsky
Czech Academy of Sciences
zuevsky@math.cas.cz

A.Zuevsky

Czech Academy of Sciences, Prague, Czech Republic

”Vertex algebra approach to cohomology of foliations”

Using the reduction cohomology theory for grading-restricted vertex algebras, we construct vertex algebra bicomplexes and introduce a cohomology theory for foliations of smooth manifolds. We then define corresponding characteristic classes.