

*Center for Mathematical Physics at Boston University*

## **Chiral algebras and logarithmic geometry**

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The theory of chiral algebras is a natural home for studying algebraic conformal field theory, but it is limited to smooth curves. Using logarithmic structures introduced by Fontaine, Illusie, and Kato, we can extend this theory naturally to curves with nodal singularities and tame orbifold points. For conformal vertex algebras, this enables comparison of conformal blocks between different genera.

**Wednesday, Nov 04, 12-1pm**

Rm 180, Math. Dept. Boston U., 111 Cmmington St.

<http://math.bu.edu/research/mathphys/seminar.html>