

1009-81-181 **Keith Hubbard*** (hubbardke@sfasu.edu), Department of Mathematics and Statistics, Box 13040 SFA Station, Nacogdoches, TX 75965. *Lattice vertex operator algebras, coalgebras and bialgebras*. Preliminary report.

We will review the structure of lattice vertex operator algebras and irreducible modules, describe the structure of lattice vertex operator coalgebras and irreducible comodules, and finally, investigate conditions under which bialgebraic structure may arise. (Received August 15, 2005)