

1145-11-508

Watson Bernard Ladd* (watsonbladd@gmail.com), 1704 63rd Street #F, Berkeley, CA 94703,
and **Jeffery Hein** and **Gonzalo Tornaria**. *Algebraic modular forms on $\mathbf{SO}_5(\mathbb{Q})$ and the
computation of paramodular forms.*

Until recently, examples of paramodular forms with many Euler factors were very hard to find. This talk discusses how algebraic modular forms can be used to compute paramodular forms using a conjecture of Ibukiyama and some computer time we have produced tables of some paramodular forms of prime levels between 3 and 400 and weight 3. These results were published in the presenter's dissertation. (Received September 08, 2018)