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Tatyana S Chmutova* (chmutova@umich.edu), University of Michigan, Department of Mathematics, 530 Church St, Ann Arbor, MI 48103. *Verma modules for continuous Cherednik algebras.*

In this talk we will discuss continuous Cherednik algebras, standard modules over these algebras and a way of thinking about such modules. We will consider in details the GL_2 -type algebra and describe all the submodules of Verma modules over this algebra for different values of the parameter. (Received September 14, 2009)