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Index lowering operators on Jacobi forms and stable Klingen theory

I will introduce two new index-lowering operators on Jacobi forms which are dual to the Hecke operators U_p and V_p introduced by Eichler and Zagier. These operators were found by studying the action of stable Klingen operators on the Fourier-Jacobi expansions of paramodular Siegel modular forms, in joint work with Brooks Roberts and Ralf Schmidt. I will also explain the usefulness of the stable Klingen theory for computing paramodular forms of deep level.