Non-Abelian quasielectrons. HANS HANSSON, MARIA HER-
MANNS, Stockholm University, SUSANNE VIEFERS, University of Oslo — Using
methods from conformal field theory, we construct trial wave functions for quasielec-
tron excitations in both Abelian and non-Abelian quantum Hall states. We briefly
explain the underlying theory, and present analytical and numerical results for the
case of two and four quasielectrons in the non-Abelian Moore-Read pfaffian state.
Our methods generalize to other non-Abelian states, and can possibly also give a
description of condensates of non-Abelian quasielectrons..

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