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Abelian and non-Abelian Quasielectrons MARIA HERMANNS, THORS HANS HANSSON, Stockholm University, NICOLAS REGNAULT, Laboratoire Pierre Aigrain, ENS, CNRS, SUSANNE VIEFERS, Oslo University — While quasiholes in the fractional quantum Hall effect are well-understood and their explicit form is uncontroversial, their negatively charged counterpart, the quasielectrons, have proven to be much more elusive. We solve the problem of defining, within conformal field theory, a proper quasielectron operator. The strength of our description lies in its applicability, and we will give several explicit examples of this, such as the condensation of Abelian and non-Abelian quasielectrons.

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