Abstract

Very stable and wobbly Higgs bundles were introduced by Hausel and Hitchin motivated by the study of certain mirror symmetry phenomena present in the moduli spaces of Higgs bundles over compact Riemann surfaces. These notions can be naturally extended to the setting of parabolic Higgs bundles. Aiming towards a description of very stable parabolic G-Higgs bundles, we present a criterion for wobbliness related to the Bruhat order on the space of parabolic structures compatible with the Higgs field.