

FIG. 1. (Color online) (Left) The defined θ and ϕ as the polar angles of spin orientation. (Right) The rectangle supercell is marked by black lines.

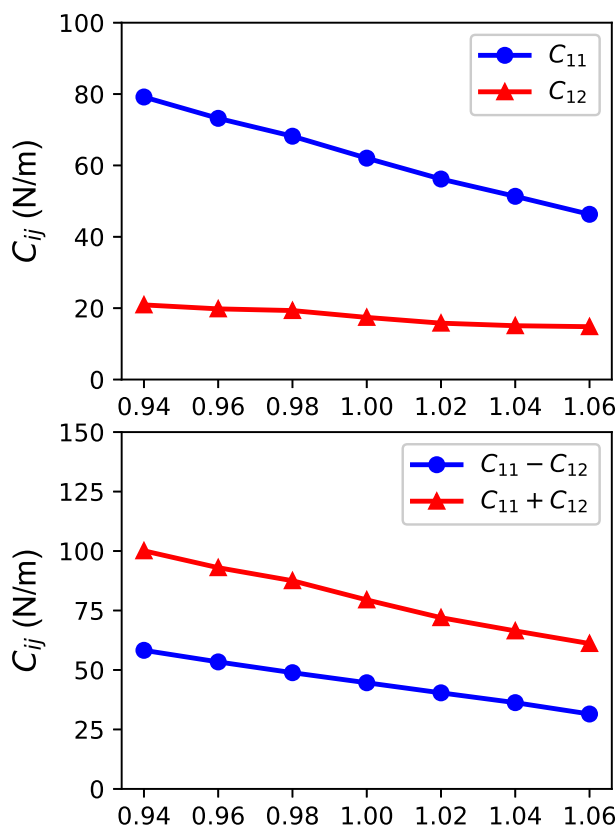


FIG. 2. (Color online) For monolayer GdClF, the elastic constants C_{ij} with the application of biaxial strain (0.94 to 1.06).

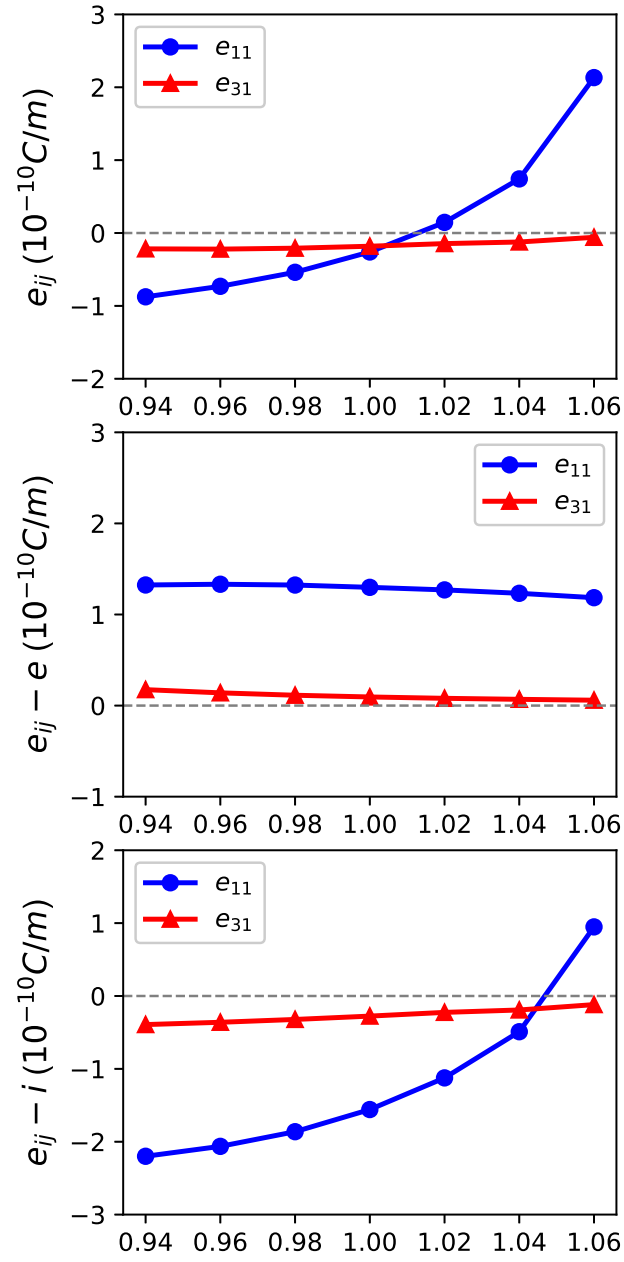


FIG. 3. (Color online) For monolayer GdClF, the piezoelectric stress coefficients e_{11} and e_{31} along with the electronic and ionic contributions to e_{11} and e_{31} with the application of biaxial strain (0.94 to 1.06).