1012-19-151   **Martin Rocek*** (`rocek@insti.physics.sunysb.edu`), CN Yang Institute for Theoretical Physics, Stony Brook University, Stony Brook, NY 117943840, and **Cumrun Vafa** and **Stefan Vandoren**. *The c-map in superspace.* Preliminary report.

We give a simple construction of the c-map, which relates the special geometry of vector multiplets to the quaternion Kähler geometry of hypermultiplets. We use the conformal formalism and N=2 superspace on the both the vector- and hyper-multiplet sides of the map; in particular, we find the projective superspace description of hypermultiplets very useful. We discuss some applications. (Received September 19, 2005)