

1119-83-156

**Jerzy Kocik\*** ([jkocik@siu.edu](mailto:jkocik@siu.edu)), Department of Mathematics, Southern Illinois University, Mail Stop 4408, Carbondale, IL 62901. *Celestial sphere, spinors and relativistic composition of velocities.*

The geometric method of velocity composition obtained from the analysis of the transformations of the celestial sphere is revisited and summarized in terms of group homeomorphisms. In particular, it is contrasted with the seemingly similar “spinor–celestial sphere” correspondence popularized by R. Penrose. (Received February 14, 2016)