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Ela Celikbas, Jai Laxmi* (laxmiuohyd@gmail.com) and **Jerzy Weyman**. *Spinor structures on free resolutions of codimension four Gorenstein ideals.*

Buchsbaum and Eisenbud stated that every Gorenstein ideal of codimension three is generated by the submaximal Pfaffians of an odd order skew-symmetric matrix. Kustin and Miller studied structure of codimension four Gorenstein ideals. We explore spinor structures on free resolutions of codimension four Gorenstein ideals. For such ideals with 6, 7, 8 and 9 generators, we present the number of minimal generators of ideals among spinor coordinates. (Received September 06, 2020)