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Oana Veliche* (o.veliche@northeastern.edu), 360 Huntington Avenue, Boston, MA 02115,
and **Lars W Christensen** and **Jerzy Weyman**. *On the structure of grade 3 almost complete
intersection ideals.*

The combinatorial approach of Kunth (1996) to overlapping Pfaffians of a skew-symmetric matrix allowed us to reprove and clarify a formula of Brill (1904) on the minors of a skew-symmetric matrix. As a consequence, we give a new proof to the structure of grade 3 perfect almost complete intersection ideals. The original, independent, proofs were given by Avramov (1981) and Brown (1984) using linkage and the structure of grade 3 Gorenstein ideals given by Buchsbaum and Eisenbud (1977). We also the equivariant construction of generic of grade 3 perfect almost complete intersection ideals. (Received September 15, 2020)