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ON RELATIONS OF INVARIANTS FOR VECTOR-VALUED FORMS*

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Abstract. An algorithm is given for computing explicit formulas for the generators of relations among the invariant rational functions for vector-valued bilinear forms. These formulas have applications in the geometry of Riemannian submanifolds and in CR geometry.

Key words. Vector-valued forms, Determinants, Relations.

AMS subject classifications. 15A72, 13A50, 14L24, 15A63.

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