Chow ring of B SO(2n) in characteristic 2

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Abstract. For $n \ge 1$, let SO(2n) be the special orthogonal group given by the standard split nondegenerate 2n-dimensional quadratic form over a field. The Chow ring CH(B SO(2n)) of its classifying space has been computed for the field of complex numbers in 2000 by R. Field. Arbitrary fields of characteristic $\ne 2$ have been treated, using a different method, in 2006 by L. A. Molina Rojas and A. Vistoli. Using specialization from characteristic 0, we extend their computation to characteristic 2.

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