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E. A. O'Brien, University of Auckland, and **Petr Vojtechovsky***, University of Denver, 2280 S Vine St, Denver, CO 80208. *Enumeration of code loops*. Preliminary report.

Code loops capture intersection properties of codewords in doubly even binary codes and they play an important role in the construction of local subgroups of sporadic groups. We describe theoretical and computational methods that we used to classify code loops (and thus also trilinear alternating forms) in dimension up to eight. (Received August 15, 2016)