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On Hopf-type cyclic cohomology with coefficients. (Joint work with G.I.Sharygin)

Abstract: Hopf-type cyclic cohomology with coefficients were introduced recently by P.M.Hajac, M.Khalkali, B.Rangipour, M.Sammerhauser. We present explicit calculations of such cohomology for a couple of interesting examples. The second part of the talk is devoted to a general construction of coupling between algebraic and coalgebraic version of Hopf-type cohomology, taking values in the usual cyclic cohomology of an algebra.