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Radan Kučera* (kucera@math.muni.cz). *Annihilators of the class group of an imaginary compositum of quadratic number fields.*

Let k/\mathbb{Q} be an imaginary compositum of quadratic number fields such that 2 does not ramify in k . The aim of the talk is to explain a construction of new explicit annihilators of the class group of k not belonging to the Stickelberger ideal, the usual source of annihilators. These new annihilators are obtained as quotients of some elements of the Stickelberger ideal by suitable powers of 2. (Received December 09, 2011)