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Victor Kaftal* (victor.kaftal@uc.edu). *Diagonals of positive operators*. Preliminary report.

The characterization of the diagonals of positive compact operators is given by an infinite-dimensional Schur-Horn theorem (K. - Weiss). Steps towards the general case are the study of the operators that are strong sums of projections (K.-Ng, Zhang) and of their diagonals (K.-Larson). (Received February 05, 2008)