ELA

MAPS PRESERVING GENERAL MEANS
OF POSITIVE OPERATORS*

LAJOS MOLNÁR[†]

Abstract. Under some mild conditions, the general form of bijective transformations of the set of all positive linear operators on a Hilbert space which preserve a symmetric mean in the sense of Kubo-Ando theory is described.

Key words. Positive operators, Mean, Automorphisms, Preservers.

AMS subject classifications. 47B49, 47A64.