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Additive preservers of the ascent, descent and related subsets

In this work, we completely describe additive surjective continuous maps in the algebra of all bounded linear operators acting on a complex separable infinite-dimensional Hilbert space, preserving the operators of finite ascent, the operators of finite descent, Drazin invertible operators, upper semi-Browder operators, lower semi-Browder operators or Browder operators in both directions.

Joint work with V.Muller and M. Oudghiri.