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THOMPSON ISOMETRIES ON POSITIVE OPERATORS: THE 2-DIMENSIONAL CASE[*]

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Abstract. In this paper a former result of the first author is completed. The structure is determined of all surjective isometries of the space of invertible positive operators on the 2-dimensional Hilbert space equipped with the Thompson metric or the Hilbert projective metric.

Key words. Thompson metric, Hilbert projective metric, Isometry, Invertible positive operators.

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