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George C. Dragomir* (dragomir@math.mcmaster.ca), McMaster University, 1280 Main Street West, Hamilton, ON L8S 4K1, Canada. *Metric-transforms of δ -hyperbolic spaces*. Preliminary report.

A real valued function of one variable φ is called metric-transform if for every metric space (X, d) the composition $d_\varphi = \varphi \circ d$ is also a metric on X . We give a simple characterization of the class of the metric-transforms having the property that if (X, d) is δ -hyperbolic, then the metric d_φ is δ' -hyperbolic, for some $\delta' \geq 0$. This is based on joint work with Andrew Nicas. (Received July 21, 2017)