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ON MINKOWSKI AND HERMITE–HADAMARD INTEGRAL INEQUALITIES VIA FRACTIONAL INTEGRATION

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ABSTRACT. In this paper, we use the the Riemann–Liouville fractional integral to develop some new results related to the Hermite–Hadamard inequality. Other integral inequalities related to the Minkowsky inequality are also established. Our results have some relationships with [E. Set, M. E. Ozdemir and S.S. Dragomir, *J. Inequal. Appl.* **2010**, Art. ID 148102, 9 pp.] and [L. Bougoffa, *J. Inequal. Pure and Appl. Math.* **7** (2006), no. 2, Article 60, 3 pp.]. Some interested inequalities of these references can be deduced as some special cases.

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