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parallelogram law

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Author Mathprof (13753)

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Related topic ParallelogramLaw

 $Related\ topic \qquad Generalization Of The Parallelogram Law$

Theorem 1 In an http://planetmath.org/InnerProductSpaceinner product space, let x and y be vectors. Then

$$||x + y||^2 + ||x - y||^2 = 2||x||^2 + 2||y||^2.$$