

120. Zvi Artstein and Ido Bright, **On the velocity of planar trajectories**. Nonlinear Differential Equations and Applications NoDEA 20 (2013), 177185.

Abstract. Consider two trajectories each forming a Jordan curve with a finite length in the two dimensional plane. We show that the integral of the velocity of the portion of one curve that is included in the inside of the second curve, is bounded by half the length of the latter curve. We point out an application of the result to averaging.

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