ASYMPTOTICS OF TANGENT POINTS FOR PLANAR CURVES

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In this paper, we prove a universal inequality described the asymptotic behavior of tangent points for differentiable planar curves. As corollaries, we obtain some (partially known) assertions on the asymptotics of mean value points for a number of the classical theorems in analysis. We formulate some unsolved problems.

Key words and phrases: parametric curves in the plane, rectifiable curves, smooth curves, mean value theorems.

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