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The Weierstrass gap sequence at an inflection point on a nodal plane curve, aligned inflection points on plane curves. (English) [Zbl 0910.14013](#)

Boll. Unione Mat. Ital., VII. Ser., B 11, No. 1, 1-33 (1997).

In this article, the authors consider a general smooth plane curve of degree d possessing an $(e-2)$ -inflection point P . They show that

- (i) if $2e < d$, then P is not a Weierstrass point, and
- (ii) if $2e \geq d$, then they describe the Weierstrass gap sequence at P .

Reviewer: [R.A.Hidalgo \(Valparaiso\)](#)

MSC:

[14H55](#) Riemann surfaces; Weierstrass points; gap sequences

[14H20](#) Singularities of curves, local rings

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nodal plane curves; Weierstrass gap sequence