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***K*-weight bounds for γ -hyperelliptic semigroups.** (English) Zbl 07080912
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Summary: In this note, we show that γ -hyperelliptic numerical semigroups of genus $g \gg \gamma$ satisfy a refinement of a well-known characteristic weight inequality due to Torres. The refinement arises from substituting the usual notion of weight by an alternative version, the *K*-weight, which we previously introduced in the course of our study of unibranch curve singularities.

MSC:

20M Semigroups

Keywords:

curve singularity; value semigroup; differentials

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