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Search or Article-id (Help | Advanced search) arXiv.org > math > arXiv:1206.0135 - Go! All papers Mathematics > Algebraic Geometry Download: PDF On a Newton filtration for PostScript Other formats functions on a curve singularity Current browse context: math.AG Wolfgang Ebeling, Sabir M. Gusein-Zade < prev | next > new | recent | 1206 (Submitted on 1 Jun 2012) Change to browse by: In a previous paper, there was defined a multi-index filtration on the ring of math functions on a hypersurface singularity corresponding to its Newton diagram generalizing (for a curve singularity) the divisorial one. Its Poincar\'e series **References & Citations** was computed for plane curve singularities non-degenerate with respect to NASA ADS their Newton diagrams. Here we use another technique to compute the Poincar\'e series for plane curve singularities without the assumption that they Bookmark(what is this?) are non-degenerate with respect to their Newton diagrams. We show that the 📃 🕸 🗶 🚾 🖬 💼 🚽 😭 💇 Poincar\'e series only depends on the Newton diagram and not on the Science WISE defining equation. Comments: 11 pages

Comments.In pagesSubjects:Algebraic Geometry (math.AG)MSC classes:32S05, 14M25, 16W70Cite as:arXiv:1206.0135 [math.AG](or arXiv:1206.0135v1 [math.AG] for this version)

## **Submission history**

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