

On a Conjecture on the weak global dimension of Gaussian rings

Guram Donadze, Viji Thomas

(Submitted on 3 Jul 2011)

Bazzoni and Glaz conjecture that the weak global dimension of a Gaussian ring is 0, 1 or ∞ . In this paper, we prove their conjecture in all cases except when R is a non-reduced local Gaussian ring with nilradical \mathcal{N} satisfying $\mathcal{N}^2=0$.

Subjects: **Commutative Algebra (math.AC)**Cite as: **arXiv:1107.0440 [math.AC]**(or **arXiv:1107.0440v1 [math.AC]** for this version)

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