

ON GAUSS-BONNET AND POINCARÉ-HOPF TYPE THEOREMS FOR COMPLEX ∂ -MANIFOLDS.

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Resumo: We prove a Gauss-Bonnet and Poincaré-Hopf type theorems for complex ∂ -manifold given by $X-D$, where X is an n -dimensional complex compact manifold and D is a reduced divisor with isolated singularities. As consequence, we obtain an alternative proof for the Dinca-Papadima formula, in the projective spaces context.

Referências

- [1] A. G. Aleksandrov, - “Multidimensional residue theory and the logarithmic De Rham Complex”. Journal of Singularities, Volume 5, p. 1-18, 2012.
- [2] M. Corrêa and D. Machado - “Residue formulas for logarithmic foliations and applications”. Transactions of the AMS, 2018. DOI: <https://doi.org/10.1090/tran/7584>, (arXiv:1611.01203v2).

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