



Seminario de Geometría y Topología

On the genus of meromorphic functions

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Abstract. We define the class of Left Located Divisor (LLD) meromorphic functions and their vertical order $m_o(f)$ and their convergence exponent $d(f)$. When $m_o(f) \leq d(f)$ we prove that their Weierstrass genus is minimal. This explains the phenomena that many classical functions have minimal Weierstrass genus, for example Dirichlet series, the Γ -function, and trigonometric functions.

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