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DISTRIBUTIONS IN THE CASE OF HOLOMORPHIC FUNCTIONS. AN IMPULSE FUNCTION (DIRAC`S DISTRIBUTION) FOR HOLOMORPHIC FUNCTIONS

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Abstract : In the paper a Dirac`s distribution for holomorphic functions is constructed ; it has the form:

$$(\delta(z-z_0), f(z)) = \frac{1}{2\pi i}\oint_\gamma \frac{f(z)}{z-z_0}dz = f(z_0), where \quad f \in H(D)$$