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**Universal Series and Fundamental Solutions
of the Cauchy-Riemann Operator**

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Abstract. We prove the existence of universal series whose terms are fundamental solutions, or derivatives of them, of the Cauchy-Riemann operator. By universal we mean a series whose partial sums are dense, with respect to the uniform topology on compacta, in the space of functions holomorphic on a certain subset of the complex plane. We show in particular that the coefficients of the series may be chosen to belong to some subspace of complex sequences like ℓ^p , $1 < p < \infty$, or c_0 .

Keywords. Universal series, Cauchy-Riemann operator, fundamental solutions, zeta function.

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