Harmonic functions

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We will prove later: every analytic function in Blzo, r) is infinitely differentiable.

$$\frac{3^{2}y}{3y^{2}} = \frac{3}{1x} \left(\frac{3y}{3x} \right) = \left(\frac{3}{2} \frac{3y}{3y} \right) = \left(\frac{3^{2}y}{3x3y} \right) = \left($$

Det u E C? is called harmonic on a set k if Du=0.

Theorem. Letube real and harmonic in some B(20,1). Then 3 f - analytic in B(20,11), u= Ref.

We will prove a more general version later.