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Absolutely summing and nuclear composition operator on the Bloch space with contact points

We are going to give a sufficient condition for a composition operator $C_{\Phi}(f) = f \circ \Phi$ to be p -summing on the Bloch space B (the space of analytic functions f on the unit disc D which satisfy $\sup(1 - |z|^2)|f'(z)|$ is finite). We construct examples of a conformal mapping of the unit disc D into itself with contact points with the unit circle T , which induce p -summing composition operators. We also construct such an example inducing a nuclear composition operator on B . We finish by giving a characterization for a composition operator to be nuclear on the Bloch space B .