

This talk is based on different joint papers with A. Aleman, D. Girela and J.A. Peláez.

We consider the question of integrability of the derivative of a Blaschke product, especially its membership in a classical Bergman space. More generally, we obtain criteria for membership in a Bergman space with normal weights (in the sense of Shields and Williams), which extends and complements different results by Ahern, Cohn, Protas, Fricain, Mashreghi, and others. To this end, different techniques can be used, including Luecking's duality theorems or Békollé weights.

Other related results will also be presented. For example, we will show that an interpolating sequence for the space of bounded analytic functions (as described by Carleson's theorem) is automatically interpolating for most Bergman spaces with normal weights.