

# Separation of singularities for the Bergman spaces

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Talk given at Seminar on Complex Analysis,  
meeting 2359, June 12th, 2023

In this presentation we'll show the main results of A. Hartmann's and M. Orsoni's paper "Separation of singularities for the Bergman space and application to control theory". We show that the Bergman space of a convex polygon, the intersection of  $n$  half-planes, decomposes into the sum of Bergman spaces of these half-planes.