

1172-30-99

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It is well known when one weighted Bergman space is contained in another. In the cases when this happens, we obtain inequalities between the corresponding norms. A natural question is: when is such inequality contractive? The problem is motivated by its possible applications in Number Theory and in Mathematical Physics.

In this joint work with Adrián Llinares, we answer the above question for a wide range of pairs of weighted Bergman spaces. We actually do this for more general mixed norm spaces. Considering such spaces is not done only for the sake of obtaining a more general result; the proof actually makes use of mixed norm spaces to obtain the desired result for weighted Bergman spaces. (Received August 20, 2021)