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Daniel H Luecking* (luecking@uark.edu), Dept. of Mathematical Sciences, 1 University of Arkansas, Fayetteville, AR 72701. *Interpolating sequences that are not uniformly discrete for certain weighted Bergman spaces.*

In previous work we showed that, if the notion of interpolation is suitably generalized, then we can characterize interpolating sequences for Bergman spaces in the unit disk, without the sequence having to be uniformly discrete in the hyperbolic metric. In case the sequence is uniformly discrete this notion reduces to the normal notion of interpolation, or to multiple interpolation (interpolation of values plus derivatives). In his talk, we discuss the extension of this result to weighted Bergman space with weights of the form $e^{-\phi}/(1 - |z|^2)$ for certain subharmonic functions ϕ . Similar results on sampling sequences will also be discussed. (Received January 31, 2018)