

1062-32-80

Marco Abate* (abate@dm.unipi.it), Dipartimento di Matematica, Università di Pisa, Largo Pontecorvo 5, 56127 Pisa, Pisa, Italy, and **Alberto Saracco** (alberto.saracco@unipr.it), Dipartimento di Matematica, Università di Parma, Viale Usberti 53/A, 43124 Parma, Parma, Italy. *Carleson measures and uniformly discrete sequences in strongly pseudoconvex domains.*

We characterize, using the Bergman kernel, Carleson measures of Bergman spaces in strongly pseudoconvex bounded domains in \mathbb{C}^n , generalizing to this setting theorems proved by Duren and Weir for the unit ball. We also show that uniformly discrete (with respect to the Kobayashi distance) sequences give examples of Carleson measures, and we compute the speed of escape to the boundary of uniformly discrete sequences in strongly pseudoconvex domains, generalizing results obtained in the unit ball by Jevtić, Massaneda and Thomas, by Duren and Weir, and by MacCluer. (Received July 27, 2010)