Caleb G Parks* (cparks1000000@gmail.com). Sampling in Analytic Tent Spaces. Preliminary report.

Introduced by Coifman, Meyer, and Stein, the tent spaces have seen wide applications in Harmonic Analysis. Their analytic cousins have seen some applications involving the derivatives of Hardy space functions. Moreover, the tent spaces have been a recent focus of research. We introduce the concept of sampling sequences for analytic tent spaces analogously to the same concepts for Bergman spaces. We then characterize such sequences in terms of Seip’s lower uniform density. We accomplish this by exploiting a kind of Möbius invariance for the tent spaces. (Received September 10, 2019)