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DoYong Kwon* (doyong@jnu.ac.kr), Department of Mathematics, Chonnam National University, Gwangju, 500-757, South Korea. *Discrete measures with dense jumps induced by Sturmian Dirichlet series.*

Let $(s_\alpha(n))_{n \geq 1}$ be the lexicographically greatest Sturmian word of slope $\alpha > 0$. For a fixed $\sigma > 1$, we consider Dirichlet series of the form $\nu_\sigma(\alpha) := \sum_{n=1}^{\infty} s_\alpha(n)n^{-\sigma}$. In this talk, we study the singular properties of the real function ν_σ , and the Lebesgue-Stieltjes measure whose distribution is given by ν_σ . (Received September 19, 2015)