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**Juan Gonzalez-Meneses\*** ([meneses@us.es](mailto:meneses@us.es)), Dept. Algebra., Facultad de Matematicas. Univ. de Sevilla., Apdo. 1160., 41080 Sevilla, Spain. *Generating random braids.*

In most papers in computational braid theory and braid cryptography, the method for generating braids of a given length consists of generating random words in the given generators. This is not satisfactory as it does not yield a uniform distribution, hence braids are not generated with identical probability. We will explain an efficient method to generate random positive braids. As a by-product, we will obtain a new and more efficient method for counting the number of positive braids of a given length. (Received September 05, 2010)