1078-37-106   **Stéphane Seuret*** (`seuret@u-pec.fr`), LAMA UMR CNRS 8050, Université Paris-Est, 61 avenue du Général de Gaulle, 94010 Créteil, France. *Dimensions of fractals defined via the semi-group generated by 2 and 3.* Preliminary report.

We compute the Hausdorff and Minkowski dimension of subsets of the symbolic space Σ that are invariant under multiplication by a family of distinct primes $p_1, p_2, ..., p_d$. It includes the sets $\{x \in \Sigma : \forall k, x_k x_{2k} \cdots x_{dk} = 0\}$. We prove that for such sets, the Hausdorff and Minkowski dimensions typically differ. This is a joint work with Y. Peres, B. Solomyak and J. Schmeling. (Received November 28, 2011)