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*Typical depth of a digital search tree built on a general source*

The digital search tree (dst) plays a central role in compression algorithms. Its probabilistic analysis is involved, even when the text is produced by a "simple" source. After the seminal paper of Flajolet-Sedgewick (1986) which deals with the simplest case, papers of Jacquet, Louchard, Prodinger Szpankowski, Tang performed the analysis of the main parameters of dst for general "simple" sources. Here, we perform a more realistic analysis, for general sources, in the flavour of previous works on tries or sorting algorithms. This a joint work with Kanak Hun, whose first steps were performed with Philippe Flajolet, during December 2010.