Morphological similarity metrics

Nabil Hathout

The notion of morphological similarity has not been the subject of much studies neither in computational nor descriptive morphology.

My talk is specifically devoted to this notion.

I will present the concept, I propose an operational method that allows us to easily estimate similarity. Then I will present four metrics that can be used to quantify the morphological similarity from the formal properties of words. Comparison of metrics shows a clear superiority of those using highly redundant raw features (ngrams of letters).