

Ten years of HMMs

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About this document

This list of references has been obtained by searching in a large bibliographic database for entries which contain the words **Hidden** and **Markov** (or the acronym **HMM**) in their title. Only the references corresponding to journal papers **published after 1989 and before the end of 2000** have been retained here. Basically, the list contains all the references matching the above criteria.

I however had to revise somehow this policy for references concerning speech processing since there were too many of them: I arbitrarily pruned approximately 20% of the speech references, discarding the older and/or particularly hard to find ones. Those familiar with speech processing will also know that almost any publication in the speech recognition area these day indeed makes use of hidden Markov models. In practice, this means that the search strategy described above already misses a significant fraction of speech related papers (usually, those that only use a well-known form of HMM modeling so that the term does not even appear in the title).

Because there are quite a number of references (about 360), I have tried to sort them according to some categories. **General** is for anything that is about the model in general and does not appear to be connected to a particular application. **Applications** is the other main category. Some of the

sub-categories overlap to some extent (Signal and Communications, or Image and Text recognition, for instance). **Other applications** is the sub-category for “unusual” applications (those that appear only rarely). In each category, the references are sorted in reversed time order (the more recent coming first).

This is the third (and, presumably, final) version of this document: The one dated 1997 does not contain any reference for the period 1997-2000 (!) – about one hundred references have been added since then; The other one, dated February 2001, is almost identical to this final version.

Practicalities

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  year     = {2001},
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