

Asymmetry Theory in Internet Infrastructure

**International Journal of Electronic Business,
Vol 3: Special Issues on Multidisciplinary, Interdisciplinary
and Transdisciplinary Research in Electronic Business.
pp. 328-338**

Abstract: We present the main features of an information retrieval and extraction system based on natural language asymmetric relations. We show that, along with the identification of functional elements, asymmetric relations contribute to improve the performance of search engines. We compare an information retrieval and extraction system based on the recovery of a subset of asymmetric relations with current operating search engines based on keyword search and Boolean analysis. We show the superiority of the first system. We show that natural language asymmetries constitute a crucial ingredient of internet infrastructures ensuring greater precision to internet communication.