MAXMBROLA : A MAX/MSP MBROLA–BASED TOOL FOR REAL–TIME VOICE SYNTHESIS (ThuAmPO2)

✱ Author(s) :

Nicolas D'Alessandro   (Faculté Polytechnique de Mons, Belgium)
Raphael Sebbe   (Faculté Polytechnique de Mons, Belgium)
Baris Bozkurt   (Faculté Polytechnique de Mons, Belgium)
Thierry Dutoit   (Faculté Polytechnique de Mons, Belgium)

✱ Abstract :

In this paper, we present the first step of a project that is able to perform both speech and singing synthesis controlled in real–time. Our aim is to develop a flexible application allowing performers to produce complex and versatile singing – as well as speech – articulations. Thus, we have adapted an existing speech synthesizer, the MBROLA software, to realtime singing constraints. The work presented in this paper concerns the integration of the MBROLA speech synthesizer into the Max/MSP real–time environment through the development of an external object. We present real–time control functions of the object and discuss its limitations. We further discuss about perspectives in the development of MBROLAbased computer music applications.

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