EXAMPLES OF SOME SYNTHESIZED HUNGARIAN SENTENCES

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As the basis for my speech synthesis investigation of Hungarian
I have made use of the spectrographic material which accrued during
the course of my analysis of the intervocalic alveolo-palatals
/c, ɟ, ɲ/ (Sovijärvi, 1975a, 1976). In my first sentence synthesis
tests I used unmodified parameter values for the subordinate phases
of the realisations of the sounds in accordance with this data.
I concluded that although it was unnecessary to use five subordinate
phases for any phoneme occurring - this holds true for both gemi-
nates and single consonants as well as for long and short vowels -
taking only two phases into consideration would have been insuffi-
cient. After numerous experiments I arrived at the compromise that
for model synthesis of each sound realisation utilization of four
subordinate phases is a methodologically practicable strategy at
this stage.

The program used to control the OVE IIIb synthesizer from the
HP2000 computer was written by Marita and Göte Nyman (1978), accord-
ing to specifications based on our discussions.

In conjunction with my presentation I shall offer for scrutiny
examples of variant renditions of six of the sentences synthesized.
On the basis of the matrix for one example sentence Atyámat gyászo-
lom [''aṭaːmaṭ 'ɟ͡ʝaːsolom], some important matters of principle
will be brought up which were encountered during the calculation
of the parametric values of the sound phases.

Mr. Reijo Aulanko has assisted me in these experiments both
as operator and as research assistant.

References

Sovijärvi, A.A.I. (1975a): "Results of the Spectrographic Analysis
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Nyman, Marita and Göte Nyman (1978): "OVE IIIb - syntetisaattorin
    ohjausohjelman käyttöopas" (= Guide book for using the feeding
    program for the OVE IIIb synthesizer), Mimeographed Series of
    the Department of Phonetics - University of Helsinki,
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