

Exercises for MM3.

Online demo

AT&T Natural Voices Text-to-Speech Engine demo

<http://www.naturalvoices.att.com/demos/>

Choose US English and voice of Mike to convert the following sentences into speech:

Now is 8 am.

My name is

I want to see Dr. Charles 16/02/2006.

I want to see Dr. Charles 02/16/2006.

OPEC held a meeting yesterday in USA.

GSM stands for Global System for Mobile Communication.

Try something else that you would like.

Analyze what you have experience.

Computer Assignment

Linear predictive coding (LPC) plays a key role in speech analysis, coding and synthesis.

Majority of the current low bit rate speech coders are implemented on the basis of LPC.

To better understand the principle of LPC coding and its application in coding and synthesis, this assignment is to play with the `dsplpc` demo in MATLAB.

Alternatively, you could also experience “[Praat: doing phonetics by computer](http://www.fon.hum.uva.nl/praat/)”, which is available from <http://www.fon.hum.uva.nl/praat/>. As the Authors state, “PRAAT is a computer program with which you can analyse, synthesize, and manipulate speech, and create high-quality pictures for your articles and thesis”.