

# Praat

# Anotacja

Oprogramowanie użytkowe  
Jolanta Bachan  
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# Praat

# Praat

- Praat: doing Phonetics by Computer  
<http://www.fon.hum.uva.nl/praat/>
- Format pliku anotacji: TextGrid
- Zadanie:
  - Zainstaluj Praat
  - Ściągnij plik WAV ze strony internetowej kursu
  - Poanotuj plik WAV na poziomie głosek w alfabecie SAMPA



# Praat: doing phonetics by computer



## Download Praat:

- \* [Macintosh](#)
- \* [Windows](#)
- \* [Linux, FreeBSD](#)
- \* [SGI, Solaris, HPUX](#)
- \* [the source code](#)



## Information on Praat:

- \* Introductory tutorial: choose **Intro** from Praat's **Help** menus.
- \* Extensive manuals and tutorials: in Praat's **Help** menus.
- \* Beginner's manuals by [Sidney Wood](#) and [Pascal van Lieshout](#).
- \* Paul Boersma's [publications](#) on algorithms and tutorials.



Paul

## The authors

Paul Boersma and David Weenink  
[Institute of Phonetic Sciences](#)  
 University of Amsterdam  
 Spuistraat 210  
 1012VT Amsterdam  
 The Netherlands



David

## Downloading Praat for Windows

New: Praat requires the Doulos SIL or Charis SIL phonetic font; see below.

To download the latest **Windows** (2000, XP, Vista...) version of **Praat**, it is easiest to use the self-extracting archive:

[praat5023\\_winsit.exe](#) (May 9, 2008; 1.7 MB)



(if you have Windows 95/98/NT4/ME, try [praat4601\\_win98sit.exe](#))

After downloading this file, double-click it and click OK to install Praat on your desktop. If this installation does not work, you may use the ZIP archive instead (after downloading, double-click to open):

[praat5023\\_win.zip](#) (May 9, 2008; 1.9 MB)

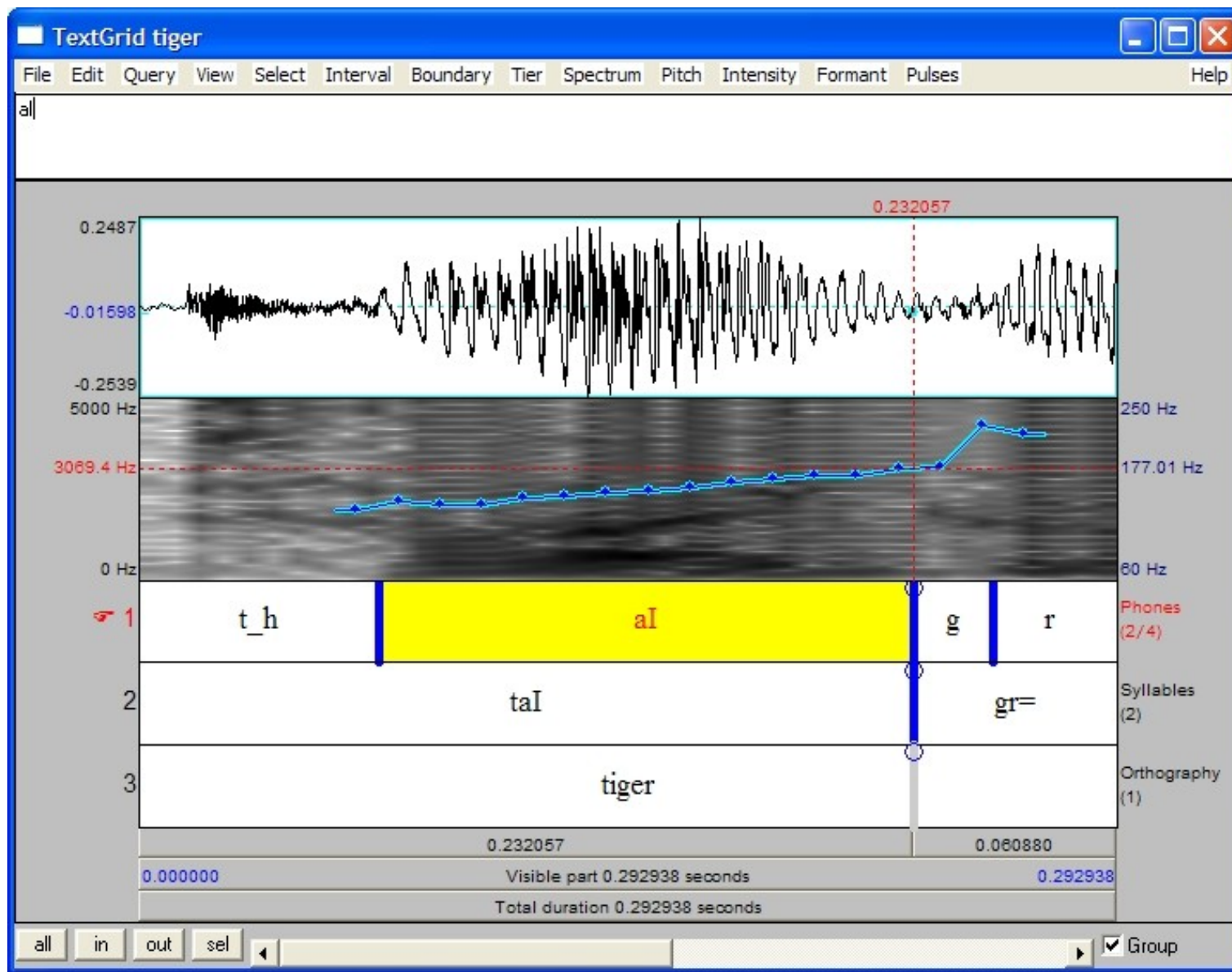
(if you have Windows 95/98/NT4/ME, try [praat4601\\_win98.zip](#))

Either way, a file called **Praat** or **Praat.exe** will appear. This is the Praat program. You can put it anywhere on your hard disk (so that you can use Praat even if your system administrator does not allow you to install other programs!).

# Anotacja mowy w Praacie

# Anotacja dla syntezy CCS

REQUIRED  
FOR  
SPEECH  
RE-SYNTHESIS



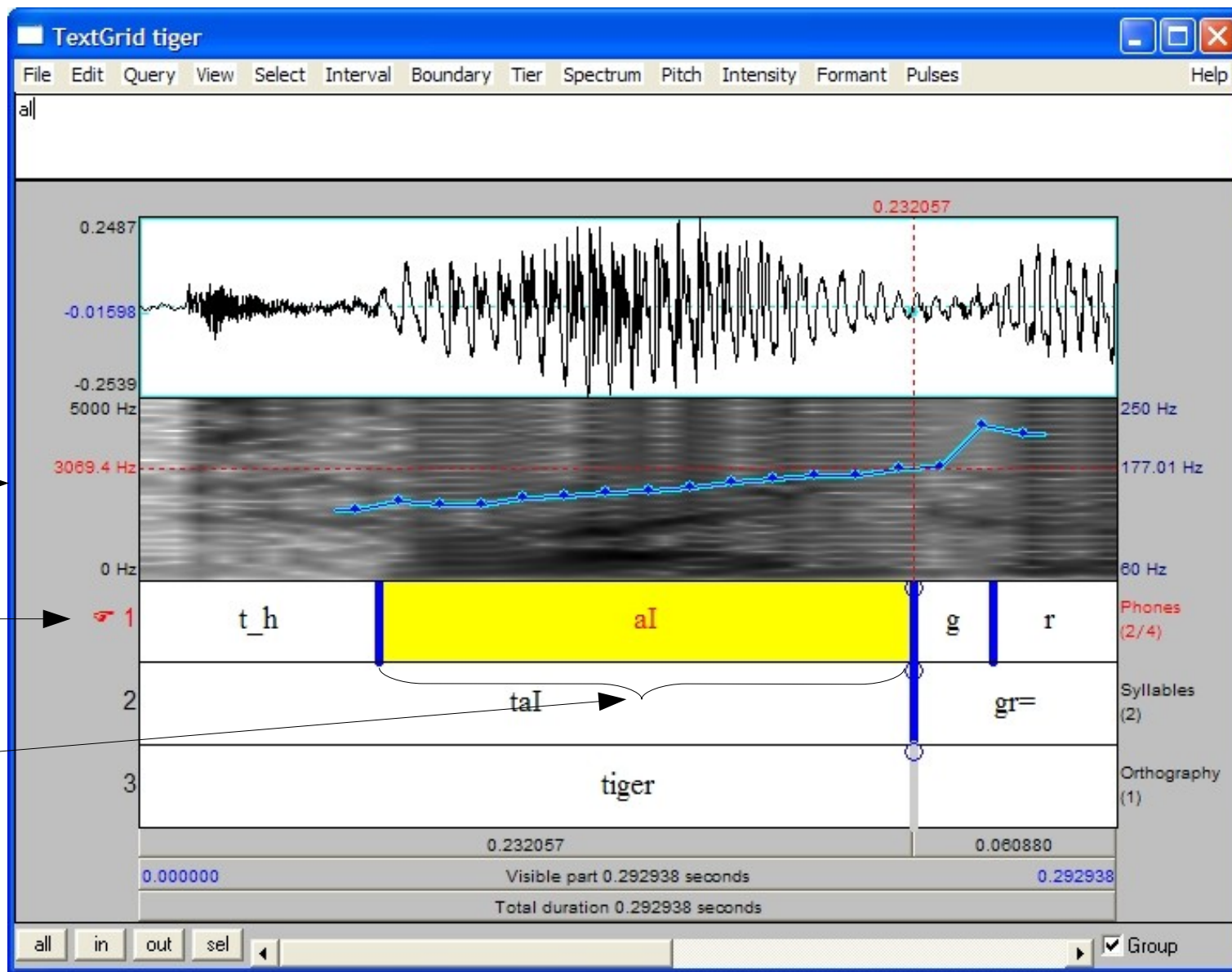
# Anotacja dla syntezy CCS

REQUIRED  
FOR  
SPEECH  
RE-SYNTHESIS

Pitch

Phones

Durations



# Jak te informacje są przechowywane?

## Format pliku TextGrid

```
File type = "ooTextFile"
Object class = "TextGrid"

xmin = 0
xmax = 0.2929375
tiers? <exists>
size = 1
item []:
  item [1]:
    class = "IntervalTier"
    name = "Phones"
    xmin = 0
    xmax = 0.2929375
    intervals: size = 4
```

```
intervals [1]:
  xmin = 0
  xmax = 0.0718
  text = "t_h"
intervals [2]:
  xmin = 0.0718
  xmax = 0.2323
  text = "aI"
intervals [3]:
  xmin = 0.2323
  xmax = 0.25579
  text = "g"
intervals [4]:
  xmin = 0.2557
  xmax = 0.2929
  text = "r\`="
```



| <i>PL1 Polish</i><br><i>SAMPA</i> | <i>Orthography</i> | <i>Phonemic</i><br><i>transcription</i> | <i>PL1 Polish</i><br><i>SAMPA</i> | <i>Orthography</i> | <i>Phonemic</i><br><i>transcription</i> |
|-----------------------------------|--------------------|---|-----------------------------------|--------------------|---|
| p                                 | <u>pik</u>         | <u>pik</u>                              | i                                 | kit                | kit                                     |
| b                                 | bit                | bit                                     | I                                 | <u>typ</u>         | <u>tIp</u>                              |
| t                                 | test               | test                                    | e                                 | test               | test                                    |
| d                                 | <u>dym</u>         | <u>dIm</u>                              | a                                 | pat                | pat                                     |
| k                                 | <u>kat</u>         | <u>kat</u>                              | o                                 | pot                | pot                                     |
| g                                 | gen                | gen                                     | u                                 | <u>puk</u>         | <u>puk</u>                              |
| f                                 | fan                | fan                                     | e~                                | <u>geś</u>         | <u>ge~s'</u>                            |
| v                                 | <u>wilk</u>        | <u>wilk</u>                             | o~                                | <u>was</u>         | <u>vo~s</u>                             |
| s                                 | <u>syk</u>         | <u>sIk</u>                              | m                                 | <u>mysz</u>        | <u>mIS</u>                              |
| z                                 | <u>zbir</u>        | <u>zbir</u>                             | n                                 | <u>nasz</u>        | <u>naS</u>                              |
| S                                 | <u>szyk</u>        | <u>SIk</u>                              | n'                                | <u>koń</u>         | <u>kon'</u>                             |
| Z                                 | <u>zyto</u>        | <u>ZIto</u>                             | N                                 | <u>pek</u>         | <u>peNk</u>                             |
| s'                                | <u>świt</u>        | <u>s'fit</u>                            | l                                 | <u>luk</u>         | <u>luk</u>                              |
| z'                                | <u>źle</u>         | <u>z'le</u>                             | r                                 | <u>ryk</u>         | <u>rIk</u>                              |
| x                                 | hymn               | <u>xImn</u>                             | w                                 | <u>tyk</u>         | <u>wIk</u>                              |
| ts                                | <u>cyk</u>         | <u>tsIk</u>                             | j                                 | <u>jak</u>         | <u>jak</u>                              |
| dz                                | <u>dzwon</u>       | <u>dzvon</u>                            |                                   |                    |   |
| tS                                | <u>czyn</u>        | <u>tSIn</u>                             |                                   |                    |   |
| dZ                                | <u>dzem</u>        | <u>dZem</u>                             |                                   |                    |   |
| ts'                               | <u>ćma</u>         | <u>ts'ma</u>                            |                                   |                    |   |
| dz'                               | <u>dźwig</u>       | <u>dz'vik</u>                           |                                   |                    |   |

SAMPA

**Do zobaczenia za tydzień!**