

## Duration manipulation in PRAAT

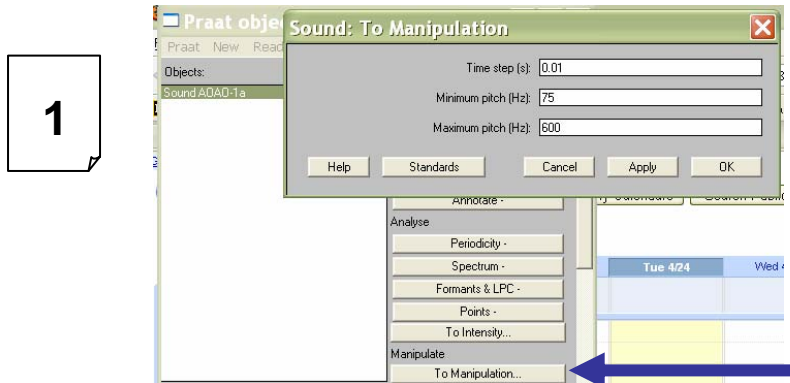
賴郁雯 (Yuwen Lai) April 2007

Handout for Phonetics seminar.

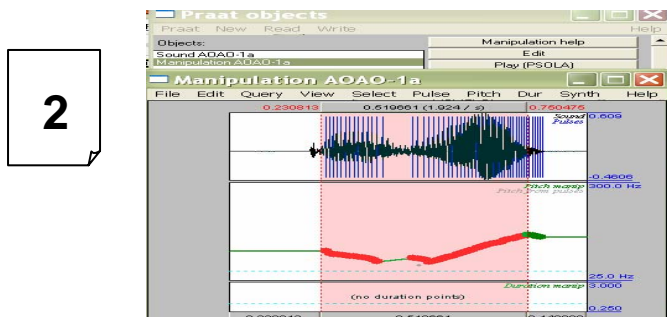
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select the source sound and click Manipulation



Highlight the manipulation and click "Edit" in the object window.



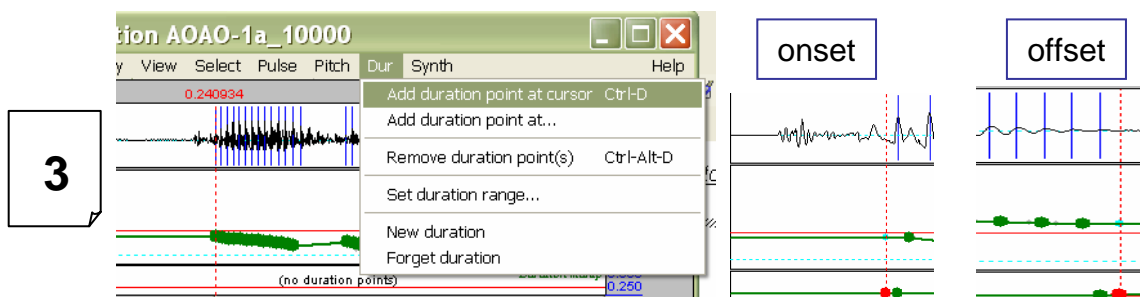
Set duration cursors at the onset and offset of the segment intend to modify

Set one cursor at the onset of the segment and another cursor at the offset.

Set one extra cursor a fraction of a second to the **left** of the **onset**

Set one extra cursor a fraction of a second to the **right** of the **offset**

cf. <http://www.ling.rochester.edu/people/cross/intro-to-praat.pdf> for further details regarding the setting.

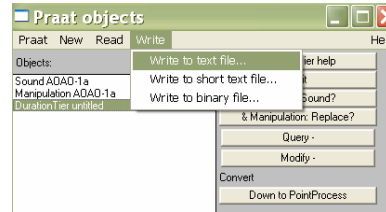
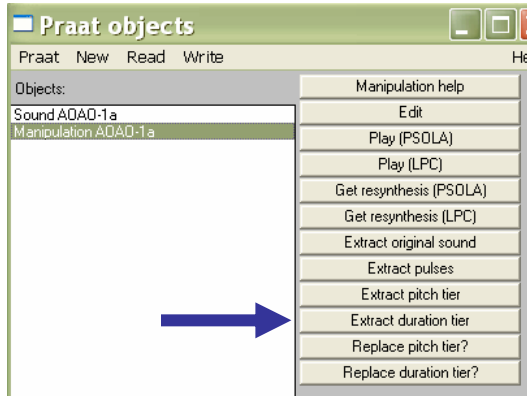


Extract the duration tier and write the duration tier to a text file

you may change rename the duration tier in Praat and then save it.

Rename the file in the “write to” process will make the connect between the duration tier with the source manipulation

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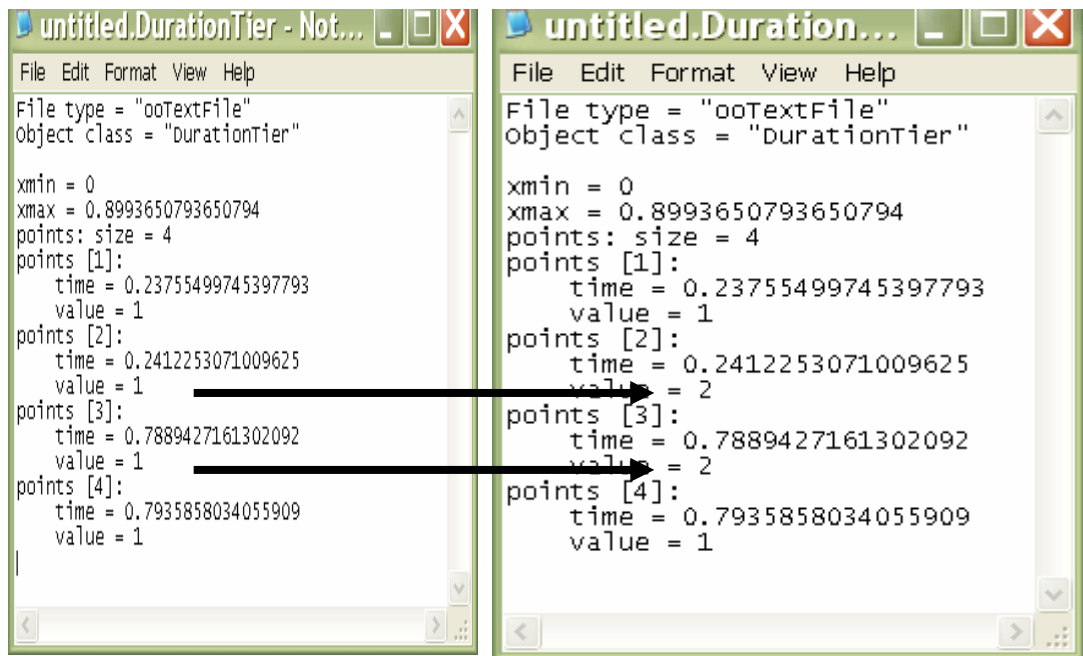
after saving it, remove the duration tier from the object window

Open the text file in Notepad. You may specify the ratio here.

Example shown here will increase the vowel duration from 547 ms to 1094 ms

If you move the duration cursor up or down during setting them and results in slight value change in irrelevant points, you may adjust their values here back to “1”

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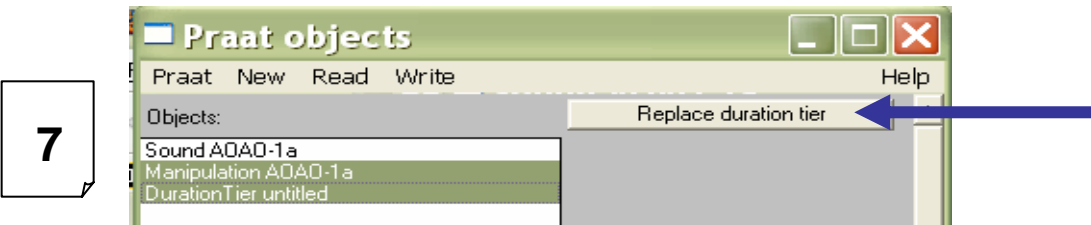


save this modified version

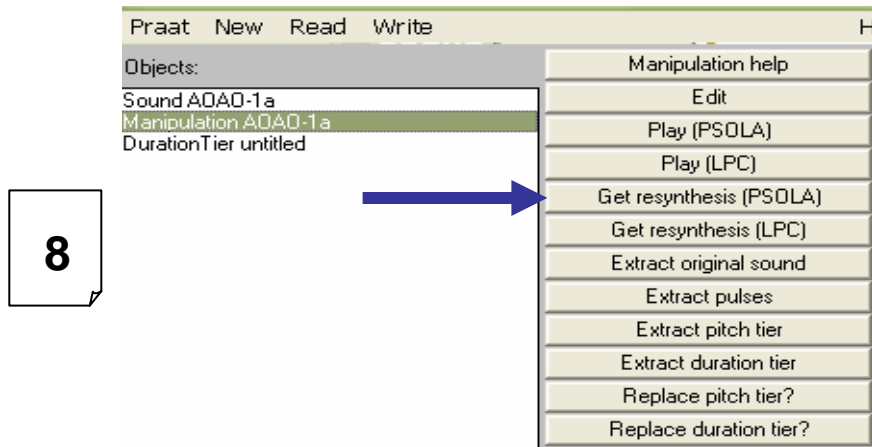
Read the modified duration tier file to Praat object window



Highlight both the **manipulation** and the **duration tier**  
Click **Replace duration tier**



Highlight the manipulation and click **Get resynthesis (PSOLA)**



A new sound will be generated. Save the new sound file.

