

Phonetic Database, Model 4332

Introduction

The University of Victoria, Speech Technology Research, Ltd., the Russian Academy of Sciences, and Kay Elemetrics Corp. collaborated to provide the Phonetic Database, Model 4332, on CD-ROM. It consists of digitized speech samples from a variety of languages and provides easy access to a broad range of speech samples for teaching and research applications.

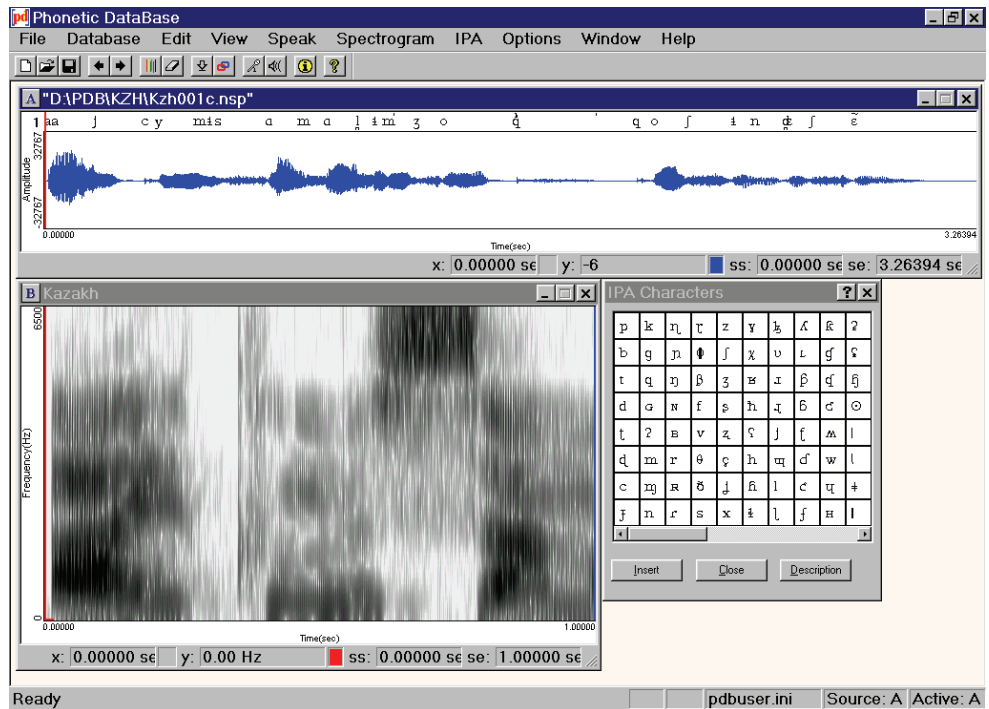
The Database

The Phonetic Database illustrates the sounds, symbols, and conventions of transcription for a number of languages. In most cases, the items presented are meant to illustrate the extent of phonological contrast in the language, to represent a wide range of phonetic realizations, and to give examples of running speech.

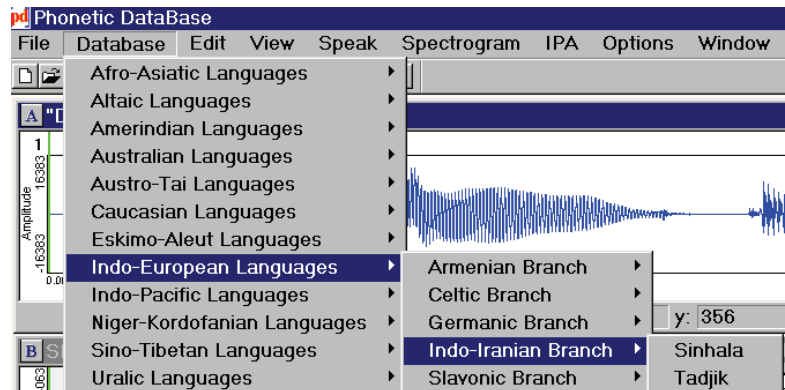
Presently, the database consists of more than 4,000 separate digitized files (either words or sentences from 45 languages). A substantial number of the digitized samples have IPA transcriptions time-synchronized to the digitized waveforms. There are additional files with onomatopoeic expressions. Other languages are in the process of being compiled for future updates to the database.

The contents and languages are frequently updated. Visit the Web site of Speech Technology Research (www.speechtech.com/pdb2.html) or KayPENTAX (www.kaypentax.com) for a current list of languages in the Phonetic Database.

- ◆ CD-ROM with over 4000 acoustic files
- ◆ 45 different languages
- ◆ Quick access to any example
- ◆ Ideal for teaching acoustic phonetics
- ◆ Full-featured program for complete analysis
- ◆ IPA transcription for large sample of files



The Phonetic Database includes a database of more than 4,000 files and 45 languages. Each example can be loaded and analyzed. Above is an example from the Kazakh language. The waveform is loaded and displayed with time-linked IPA symbols. A spectrogram of the first second is also displayed. The program allows the user to scroll through the signal. The IPA Characters dialog box is loaded so that users can add their own IPA symbols and save with the signal.



The program provides direct menu access to the database and to the acoustic analysis tools for analyzing the data. The figure above shows the menus and submenus as they appear when the Indo-Iranian Branch of the Indo-European Languages is selected.

The Program

Included with the database is a custom program using program tools from CSL™/Multi-Speech™ to fully explore the acoustic properties. The program also provides listening tools and the ability to add transcription.

