Audio for programmers

1. Audio formats for programmers

A good source for file formats is *www.wotsit.org/* . Among them there is a collection of *music formats* .

Ogg Vorbis seems to be an important format in the future.

See also my collection of *music notation formats* .

2. General information, theses, mathematics and physics of pitch recognition

I recommend to read the short introduction *What is Music Recognition* by *AKoff Sound Labs* , that holds for all such programs.

Solo Explorer is also available as DLL Library. (Click on Products -> technology licensing). There you find a comprehensive library on the topic. (Click on research -> bibliography).

Musical Signal Parameter Estimation , a thesis by *Tristan Jehan* .

The Journal of the Accoustical Society of America Online

Detection of Signals in Noise by Robert N. McDonough, A. D. Whalen Hardcover - 495 pages 2nd edition (April 1995) Academic Pr; ISBN: 0127448527

3. Audio XML formats

3.1. MIDI XML Specifications

MIDI XML Specifications by the MIDI Manufacturers Association.

3.2. XMidi

XMidi by Peter Loeb is a representation of MIDI in XML.

3.3. 4ML

4ml aka fourml is a simple open source audio XML application that is simple and a little more abstract than MIDI.

4. Links

Recognisoft maintains a *link list* (click on links).