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ForBeginnersWhoWantToCruiseTheInternet Links for Beginners	danielbernard...	May 30, 2008
The MIDI controller project Links collected from the friends of MMM in order to crack the code of making the microtonal MIDI keyboard controller.	codroid	Dec 30, 2004
alt-tuner alt-tuner is a retuning plug-in for your midi keyboard or softsynth. Supports adaptive JI, EDOs, non-octave scales, etc. Intuitive point-and-click interface. http://www.TallKite.com/alt-tuner.html	kiteg	Jun 12, 2013
Microtonal Dubstep http://www.youtube.com/watch?v=A7WAcAFCYkA	ralphjarzombek	Jan 5, 2013
Microtonal Music and Theory Facebook Group. All welcome. http://www.facebook.com/groups/239947772713025/	robertthomas...	Nov 18, 2011
Music Library. Open to the general public. http://lit.gfax.ch/	robertthomas...	Jul 31, 2011
Xenwiki The Xenharmonic Wiki http://xenharmonic.wikispaces.com/	genewardsmith	Mar 9, 2011
MicroMadeEasy. Microtonal and multicultural music group. http://tinyurl.com/cj5ly3	robertthomas...	Feb 5, 2010
LA PETITE ENCYCLOP     DIE DES     CHELLES ET DES MODES All the 350 scales and 2047 modes of 12 ET, plus some microtonal scales and musical instruments, in french... http://www.jeanpierrepoulin.com/	jeanpierre_po...	Jan 20, 2010
Rationale Free extended-just-intonation sequencer. http://rationale.sourceforge.net	touchedchuckk	May 13, 2009
microtonal saxophone here are some etudes and caprices I wrote and recorded for microtonal sax. scroll down to the bottom of the page to hear them. http://www.softspeakers.com/saxo/ars-microtonum/	haydenchish...	Apr 2, 2007
Aaron Krister Johnson Lots o' works in alternate tunings of all sorts http://www.akjmusic.com/works.html	akjmicro	Mar 6, 2007
Java Microtuning Organ JMTOrgan (Windows, Linux, Mac) relays external midi-keyboard to a soundfont enabled soundcard and applies microtuning. This program is intended for historical	jeroendonkers	Jan 3, 2007

<p>temperaments, but any 12-tone scale is applicable. http://www.geocities.com/jeroendonkers/JMTOrgan</p>		
<p>Resources for the Microtonal Composer Information for those who want to make microtonal music with software or hardware. http://microtonalresources.blogspot.com</p>	microtonaldan	Nov 8, 2006
<p>Daniel Thompson Microtonal Composer The microtonal music and ideas of Daniel Thompson, including information on tuning theory. http://danielthompson.blogspot.com</p>	microtonaldan	Nov 8, 2006
<p>Greek and Roman Pipe Organs Bellum Catilinae. The first two items are from The Story of the Organ by C.F. Abdy Williams, published in 1903 by Walter Scott Publishing and Charles Scribner's Sons. The third is from William Smith, A Dictionary of Greek and Roman Antiquities (New York, Harper, 1874). (Galpin's hydraulis is at MFA, Boston, nr.17.1942) http://users.ipa.net/~tanker/organs.htm</p>	threesixesina...	Dec 3, 2005
<p>Organ by John Brombaugh, Memorial Chapel, Duke University, 1997 "The tuning system used in the Memorial Chapel organ is meantone, the accepted standard for keyboard instruments in Europe during the 16th and 17th centuries...To allow composers and keyboard players to venture beyond the usual limitations of meantone tuning, a few historic organs had more than 12 notes per octave, extending the range of tolerable keys. This transient system usually required double (split) keys for Eb and G# so that one could also play the enharmonic notes D# and Ab. To ameliorate this rather curious (and at times awkward) keyboard design for the player, we developed an unusual (but not unprecedented) mechanical system for the Memorial Chapel organ so that one can switch between the enharmonic pitches Eb and D# or G# and Ab on all keyboards by means of two levers." http://www.chapel.duke.edu/music/organs/brombaugh/builder.aspx</p>	threesixesina...	Dec 2, 2005
<p>Organs with subsemitones (split keys) Comments and corrections to Ibo Ortgies http://www.goart.gu.se/ortgies/Subsemi.htm</p>	threesixesina...	Nov 2, 2005
<p>Concertina and Melodeon Tuning and Repairing Article on techniques of tuning and repairing concertinas and melodeons by Henry Dryerre, 1890. 3 pp. http://www.lvcott.fsnet.co.uk/Work1890.pdf</p>	threesixesina...	Oct 27, 2005
<p>Armonium Museo Di Fisica, Dipartimento di Fisica, Universita "La Sapienza" Roma: The musical instrument described, made here to purposely construct from Blaserna for the study delle consonanze, delle dissonances and delle numerical laws sugli musical agreements, has an extension of 5 eighth to exact intonazione (that is based sugli variable intervals between notes della natural scale) with 48 sounds for eighth. That is obtained thanks to the generation of fundamental notes and multiple they diesis. http://www.phys.uniroma1.it/DipWeb/museo/acu34.htm</p>	threesixesina...	Oct 27, 2005
<p>Harmonium, M369: Peter Samuel Munck af Rosenscheld & O. B. Ekström? Lund, Sverige Ca. 1850 Pressure. Compass F1-f3=96 enharmonic pitches=19 pitches/oct... No stops. 96 reeds. Lower keys covered in ivory, upper keys with ebony. Meas. 100.5 x 58.5 x 32.5 (78.5) cm. Unsigned. Built by Swedish physicist Peter Samuel Munck of Rosenschoeld, probably in</p>	threesixesina...	Oct 26, 2005

cooperation by piano maker O. B. Ekstroem, Malmoe. donated 1907.

[http://stockholm.music.museum/samlingar/detalj.php?](http://stockholm.music.museum/samlingar/detalj.php?l=sv&mmcss=l&iid=96&v=20050112223139)

[l=sv&mmcss=l&iid=96&v=20050112223139](http://stockholm.music.museum/samlingar/detalj.php?l=sv&mmcss=l&iid=96&v=20050112223139)

Tiella, Marco. Musical Experience gained through Working with the Archicembalo Reconstruction

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Oct 20, 2005

"The article deals with musical experience gained from research into the history and technology of [Vicentino's] archicembalo. It seems important to me to draw the reader's attention to the fact, that experience gained from the theories (considered from a historicizing point of view) exceeded that acquired through tuning practice. Therefore I am dealing with the questions concerning the musical use of chromatic-enharmonic keyboard instruments mainly from a theoretical point of view."

<http://www.muzykologia.uj.edu.pl/conference/papers/Marco%20Tiella.pdf>

Double Keyboard Bechstein Information

threesixesina...

Oct 15, 2005

Kraft Piano, W. Palm Beach, FL: "Here are the PDF files of the book History of the Emanuel Moer Double Keyboard Piano by Herbert A. Shead."

<http://kraftpiano.com/projects.htm>

Microtonal Piano

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Oct 15, 2005

Chris Finger Pianos, Niwot, CO: "Sauter's amazing 1/16th tone microtonal piano is finally here. This unique instrument spans one octave across 97 keys! We invite you to drop by and take a look at it, and even play it a little (though it doesn't sound as you might expect it to)."

<http://www.fingerpianos.com/>

The Free-Reed Organ in England. Allan, R. J. 2003-2004

threesixesina...

Aug 23, 2005

Enharmonic Harmoniums

http://tardis.dl.ac.uk/FreeReed/English/organ_book/node14.html

Meantone tuning and layout of Buttons

threesixesina...

Jul 11, 2005

Allan Atlas on concertina.net discussion group, 26.08.03: "Wheatstone undoubtedly chose a meantone tuning on the grounds that, when he was developing the instrument in the late 1820s, that was the standard tuning in England...And Wheatstone's choice of enharmonic buttons -- E flat/D sharp and A flat/G sharp, with the first note of each pair sounding higher than the second ... served a purely practical purpose: it moved the so-called "wolf [that is, out of tune] fifth" to C sharp and A flat(! !), and thus permitted the concertina a fairly in-tune modulatory range from E major (on the sharp side) to E-flat major (on the flat side), with keys on either side of which sounding out of tune."

<http://www.concertina.net/forums/index.php?showtopic=99&mode=threaded&pid=745>

Quartertunes organ-harmonium

threesixesina...

Jul 5, 2005

Claviers Mi Re Ut: In this instrument a twenty-two note scale is set out in alternating and opposite rows of reeds.

<http://www.freewebs.com/mireut/hrmonium.htm>

Terpstra Keyboard

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Jun 24, 2005

Cortex Design will soon complete a new MIDI-based generalized keyboard for the American Festival of Microtonal Music (www.afmm.org). It is based on a modified Bosanquet layout by Siemen Terpstra.

<http://www.cortex-design.com/body-project-terpstra-1.htm>

Quartertone Pipe Organ

threesixesina...

Jun 23, 2005

Logos Foundation: "Module 8: <Qt> This organ is the result of an intensive collaborative effort by Ghislain Potvlieghe (specialist in historic organ building) and Godfried-Willem

<p>Raes. The main pupose was to build a wide ambitus organ register tuned in equal temperament quarter tones. The whole instrument had to be easily transportable , dictating the use of brass pipework instead of the traditional lead/tin. The range covers 6 octaves (from midi note 36 to 108) . Wind pressure modulation can be used to expressive puposes. Tremulant effects as well as accented notes are a possibility."</p> <p>http://www.logosfoundation.org/instrum_gwr/qt.html</p>		
<p>Just Keys</p> <p>Chrysalis Foundation."Just Keys is a medium upright or console piano that [Cris Forster] restrung three times and retuned four times in 1990. The graphic ... shows the complete keyboard from the first key in the bass to the last key in the treble."</p> <p>http://www.chrysalis-foundation.org/just_keys.htm</p>	threesixesina...	Jun 22, 2005
<p>Keislar, D. History and Principles of Microtonal keyboard Design. CCRMA Stanford Univ. Dept. Music, Rep. Nr. STAN-M-45. 04.1988</p> <p>The flexibility of digital synthesis with respect to pitch suggests the use of new real-time input devices optimized for arbitrary tuning systems. This paper outlines the history of microtonal keyboards with a view towards establishing the most useful design principles. The possibilities of such controllers for computer music are then discussed. This report is a revised version of an article that originally appeared in Computer Music Journal 11(1) in 1987.</p> <p>http://ccrma.stanford.edu/STANM/stanms/stanm45/</p>	threesixesina...	Jun 21, 2005
<p>TuneLab World: Real-Time Specialties Piano Technology Products</p> <p>Advanced piano tuning software tool that provides the ultimate in tuning ease and accuracy - available for both laptops and Pocket PCs.</p> <p>http://www.tunelab-world.com/</p>	threesixesina...	Jun 7, 2005
<p>Wraight, Denzil. Zarlino's 24-note Harpsichord built by Domenico da Pesaro, 1548.</p> <p>"In the literature it has mostly been recorded that the harpsichord had a compass with 19 notes in the octave."</p> <p>http://www.denzilwraight.com/24note.htm</p>	threesixesina...	Apr 1, 2005
<p>The enharmonic pipe organ</p> <p>Hans Andre Stamm describes the acoustic enharmonic instrument built in 1979 by the organ builder SCHMACHER, Eupen,(now: Baelen) Belgium according to the plans of Prof. Dr. Martin Vogel of the University of Bonn.</p> <p>http://www.eufonia.de/english/orgel.php</p>	threesixesina...	Mar 23, 2005
<p>OR4-A1765.43: Enharmonic chamber organ, Thomas Parker. London, c.1765.</p> <p>Small organ similar to Foundling Hospital instrument in Robert Smith tuning</p> <p>http://www.music.ed.ac.uk/russell/instruments/or4a176543/or4a176543.html</p>	threesixesina...	Mar 23, 2005
<p>novosonic productions</p> <p>writings and microtonal sound files</p> <p>http://home.comcast.net/~gregmcleod/novosonic.html</p>	novosonic	Mar 5, 2005
<p>Using TUN files with soft-synths</p> <p>A very useful "Tutorial for creating TUN files with Scala" written by Jacky Ligon:</p> <p>http://www.xs4all.nl/~huygensf/scala/Scala_TUN_Tutorial.pdf</p>	pgruchet	Jun 25, 2004
<p>Micotuner</p> <p>Max Magic Microtuner (Mac OS X, OS 9) is a microtonal scale editor that can import and export 128-note MIDI Tuning Standard keymap files (.syx, .mid) compatible with the N.I. FM7 and all softsynths supporting this format; it is compatible with Scala (.scl)</p>	pgruchet	Jun 25, 2004

microtuning files, Korg OASYS PCI card tuning files (.tun) and N.I. Pro-52/53 microtuning files (.p5m); Max/MSP and Pluggo users can compile alternate tuning external objects automatically. The latest version has new export features including the IRCAM MIDI cent format, the BitHeadz Unity format and the AnaMark/VAZ Plus formats.

<http://launch.groups.yahoo.com/group/16tone/>