

Topic

- ▼ **1 Monday: Data in Max/MSP/Jitter**
 - 1.1 Monday's Patches
 - 1.2 Intro
 - 1.3 Who is Max?
 - 1.4 Who made Max?
 - 1.5 Who uses Max?
 - 1.6 Why Max? Control.
 - 1.7 Data Flow
 - 1.8 Data Types
 - 1.9 Guest: David Wessel
 - ▼ 1.10 "Learn Max/MSP in 24 hours"
 - ▼ 1.10.1 Objects, Messages, Data Flow and Order of events
 - *bang*
 - *message*
 - *object*
 - *comment*
 - *trigger*
 - *gate / switch*
 - *select / route / OSC-route*
 - *counter*
 - ▼ 1.10.2 Data Storage
 - *multislider*
 - *collection*
 - *table*
 - *buffer~*
 - *SDIF*
 - *jitter.matrix*
 - ▼ 1.10.3 Arithmetic
 - *+, -, *, /, lt, le, gt, ge, %*
 - *scale/zmap*
 - *function*
 - *expr*
 - ▼ 1.10.4 Timing
 - *delay*
 - *metro*
 - *qlist*
 - ▼ 1.10.5 Communication in patches
 - *patch cords*
 - *send/receive*
 - *send~/receive~*
 - *route / OSC-route*
 - *pvar*
 - ▼ 1.10.6 List Processing
 - *zl*
 - *mxj list*
 - *Lobjects*
 - ▼ 1.10.7 The "new" Max/MSP/Jitter
 - *patr*
 - *object prototypes*
 - *clippings*
 - *MaxToolbox*
 - 1.11 Big Patch: patr mapping-interpolator oscillators with the function object
- ▼ **2 Tuesday: Modularity**
 - 2.1 Guest: John MacCallum
 - 2.2 Abstractions/Encapsulation
 - 2.3 Arguments and Attributes
 - 2.4 *poly~*
 - 2.5 Building Interfaces
 - 2.6 Big Patch: probabilistic, harmonic cloud maker
- ▼ **3 Wednesday: Gestural Control**
 - 3.1 Guest: Matt Wright
 - 3.2 Controller museum
 - ▼ 3.3 Controllers
 - 3.3.1 Gestural Control: History, Benefits and the Present
 - ▼ 3.3.2 Connectivity
 - MIDI
 - USB
 - OpenSoundControl
 - Analog signals
 - Audio-rate gesture capture
 - Mixed sensing (audio + sensors)
 - ▼ 3.3.3 Modern Day Alternative Controllers
 - Buchla Thunder
 - Ladies Glove
 - Wacom Tablets
 - ▼ Game Controllers
 - Saitek

Links

[Monday's Patches](#)

[en.wikipedia.org—Max Mathews](http://en.wikipedia.org—Max_Mathews)

www.cycling74.com—artists

www.maxobjects.com

[Tuesday's Patches](#)

[Wednesday's Patches](#)

www.buchla.com—thunder

www.sonami.net—lady_glove2.htm

www.wacom.com—intuos.cfm

www.saitekusa.com—pcgc.htm

- Continuum
- Lemur
- TactaPad
- Odds and Ends
- IR Cameras: e.g. OptiTrack by Natural Point
- ▼ 3.4 Interfaces
 - 3.4.1 Multi-channel Audio Interfaces
 - 3.4.2 RimaxBox
 - 3.4.3 Teabox
 - 3.4.4 Toaster/Kroonde
 - 3.4.5 Ethersense
 - 3.4.6 gluin/gluiph
 - 3.4.7 CREATE Use Interface
 - 3.4.8 Eric Singer's Miditron
 - 3.4.9 LabJack
 - 3.4.10 Phidgets
 - 3.4.11 Making Things
 - 3.4.12 The Make Controller Kit
 - 3.4.13 Steim's Game Controller
- 3.5 Gesture Analysis
- ▼ 3.6 Real-Time Control of Instruments
 - 3.6.1 Presets
 - ▼ 3.6.2 Mapping
 - ▼ 3.6.2.1 One-to-One mappings
 - 3.6.2.1.1 *scale*
 - 3.6.2.1.2 *bpf*
 - ▼ 3.6.2.2 One-to-Many mappings
 - 3.6.2.2.1 *Interpolations*
 - 3.6.2.2.2 *Physical Models*
 - 3.6.2.2.3 *Neural Networks*
 - 3.6.3 Dipping
- ▼ 3.7 Audio Analysis
 - ▼ 3.7.1 Real-time Analysis Tools
 - *fiddle~*
 - *analyzer~*
 - *iana~*
 - *MSP Jimmies*
 - ▼ 3.7.2 None-Real-time Analysis Tools
 - *Diphone/AddAn/ResAn*
 - *Clam SMS*
 - *Loris*
 - ▼ 3.7.3 Analysis Data
 - *collection*
 - *SDIF*
 - *Text files*
- 3.8 Big Patch: Wacom Sinusoids/Resonance maker
- ▼ 4 Thursday: CNMAT, Software, Tools, Resources
 - 4.1 Guest: Michael Zbyszynski
 - ▼ 4.2 CNMAT Tools part 1
 - 4.2.1 OpenSoundControl
 - 4.2.2 SDIF
 - 4.2.3 sinusoids~
 - 4.2.4 resonators~
 - 4.2.5 aLib
 - ▼ 4.3 CNMAT Approaches (aLib)
 - 4.3.1 for lists, for streams, for colls (i.e. practical)
 - 4.3.2 for pitches (musical)
 - 4.3.3 for beats (beats, rhythm and timing inside max)
 - 4.3.4 interpolators (pattr interpolation, space interpolators)
 - 4.4 Java and Javascript inside Max/MSP/Jitter
 - 4.5 Pluggo
 - 4.6 Max and Other applications
 - ▼ 4.7 Other Max/MSP Resources
 - 4.7.1 Max/MSP/Jitter Discussions List
 - ▼ 4.7.2 3rd Party Externals
 - maxobjects.com
 - Nathanael Lecaude: Max Toolbox
 - Tim Place: Tap.Tools
 - Peter Elsea: Lobjects (for list processing)
 - Dan Trueman/Luke Dubois: PeRColate
 - Jean-Marc Pelletti: cv.jit
 - Cyrille Henry: pmpd
 - Nicholas D'Alessandro: MaxMBROLA
 - Karlheinz Essl: RTC
 - Jasch: Jasch tools
 - Nao Tokui: *slice~*, *markov*

www.cerlsoundgroup.org—Continuum
www.jazzmutant.com—lemur_overview.php
tactiva.com—index.html

www.naturalpoint.com

www.opensoundcontrol.org—OSC2004-RimaxBox.pdf
www.electrotap.com—teabox
www.la-kitchen.fr—kitchenlab.html
forumnet.ircam.fr—rubrique.php3
www.glui.de
www.create.ucsb.edu—CUI
eroktronix.com
www.labjack.com—labjack_ue9.html
www.phidgets.com
www.makingthings.com
www.makingthings.com—KIT-MAKE-CTRL
www.steim.org—juxtion.html

[Thursday's Patches](#)
homepage.mac.com—mikezed
www.cnmat.berkeley.edu—downloads

www.alimomeni.net—max

www.cycling74.com—index.html
www.maxobjects.com
nat.imeem.com—areO4MEW
www.electrotap.com—tapttoolsmax
arts.ucsc.edu—lobjects.readme.html
music.columbia.edu—PeRColate
www.iamas.ac.jp—cv
drpichon.free.fr—pmpd
www.lcts.fpm.ac.be—maxmbrola
www.essl.at—rtc.html
www.jasch.ch—code_release.html
nao1091@mac.com

- IRCAM: jimmies, bennies
- IRCAM: FTM
- Olaf Matthes: freeverb~, gigaverb~, netsend, netreceive, flashclient
- Tristan Jehan: Analyzer~
- Eric Lyon: FFTease
- Todor Todoroff: iana~ (Mac only)
- JMusic: not really an external but a set of java classes
- 4.7.3 Windows dll files: put them next to the Max application itself
- 4.8 Big Pactch: Dipping Beat maker
- ▼ **5Friday: Guest Speakers**
- 5.1 Catch-up on all that we missed the previous 4 days, and Questions and Answers
- 5.2 Guest: Les Stuck
- 5.3 Guest: John Chowning
- 5.4 Guest: Paul DeMarinis
- 5.5 Guest: Barney Haynes
- 5.6 Guest: David Zicarelli
- 5.7 BBQ and Party at CNMAT!

forumnet.ircam.fr
freesoftware.ircam.fr/~FTM
www.akustische-kunst.org
web.media.mit.edu/~maxmsp.html
arcana.dartmouth.edu/~FFTease
todor.todoroff@skynet.be
jmusic.ci.qut.edu.au
www.dll-downloads.com

www.cnmat.berkeley.edu/~wessel
www.well.com/~demarini
www.ultrafuzz.net