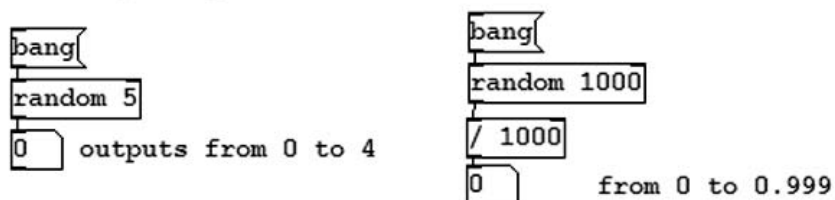
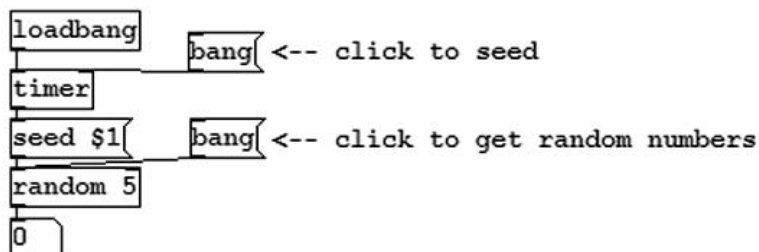


Use the "random" object to make pseudo-random integers. To get continuously variable random numbers, make a random number in a large range and divide:



If you don't want the same behavior every time you run the patch, use the time from load to first click as a seed:



If you give two randoms the same seed they give the same sequence. If you never seed them, you'll get different sequences out of each one.

updated for Pd version 0.26

Biographies

Frank Barknecht

Journalist for *Deutschland Radio* and the computer magazine *c't*. Open Source software developer, sound artist and founder of the *RRADical* Pd project.

Reinhard Braun

Articles, lectures, research commissions on photography and media history. Project-oriented cooperation with artists in the field of media/telecommunications. Since fall 2003 curator and editor with *Camera Austria* at the Kunsthaus Graz.

Ramiro Cosentino

Internet and Pd developer. Member of the collectives *hackitectura.net*, *riereta.net*, *barcelona.indymedia.org*, *sindominio.net*, *radio madrid*, *platoniq.net BCN*, *straddle3.net BCN*. Especially interested in an Open Source platform for global communication. Involved in *P.i.D.i.P.*, a Pd external for manipulating videos.

Günter Geiger

Artist and Pd developer.

Thomas Grill

Composer and sound artist. Open Source software development for Windows, Mac OS, Linux and for Pd, Max/Msp, jMax. Lectures at ELAK (Institute for Composition and Electro-acoustic) and at the University for Applied Arts in Vienna. Performances with the *Low Frequency Orchestra*, *the Fruitmarket Gallery*, *Klement/Castello/Grill*, and many others.

Cyrille Henry

Pd developer with an emphasis on interface implementation in Pd patches.

Jürgen Hofbauer

Author, composer and media theorist. Currently lives in Vienna. Co-founder of the Viennese label *Niesom*.

Reni Hofmüller

Reni Hofmüller was born in 1966 and lives in Graz as an artist, musician, composer, organizer, curator, activist.

She is co-founder of: *ESC im labor*, an experimental non-commercial art space, initiated in 1993; *Radio Helsinki*, a non-commercial local radio station, started in 1995; *mur.at*: the net art platform *mur.at*, established in 1998, is a strategic alliance of art initiatives and artists of Graz

and is dedicated to creating an electronic network. Initiator and member of: 42, a female artists group for new media production. Member of: Eva & Co, a feminist artists group, 1990–1992; LTNC – Lady Tiger Night Club, 2002–2005; pd-graz; IMA-Institute for Media Archeology.

Werner Jauk

University assistant professor and lecturer for Systematic Music Theory at the University of Graz with a social / cultural theories focus on music / technology / society perception and (New) Media.

Brian Jurish

Worked as a study assistant at the Academy of Sciences in Berlin-Brandenburg and finished his study of linguistics in 2002 at the University of Potsdam. He wrote the Pd external *Ratts* (Realtime Analogue Text-To-Speech).

Andrea Mayr

Research and development work for *THE THING* in New York. Academic work at the *Zentrum für Soziale Innovation* and the *Internet Center for Education – Vienna*. Co-moderator of *net-time-l*, an international mailing list on net and media culture. Artistic activities: 194.xxx.xxx.xxx -*userunfriendly femalepressure.org* and support for projects like *>idrunkers<* and *>toywar<*.

Thomas Musil

Pure Data software developer for Peter Ablinger (D), Bernhard Lang (A), reMI (A), Olga Neuwirth (A). Developer of the IEM libraries, a collection of important extensions (software libraries) for Pure Data.

Michael Pinter

Contemporary artist (painter, composer, author; since 1996 priorities on sound_video_media_net_computer art mainly with pure data). Various national and international exhibitions and presentations. Supports and organises Open Source projects. Lives and works in Graz_AUT, Zeist_NL and Berlin_DE. For more info visit <http://n21.mur.at>.

Miller Puckette

Worked as software developer at MIT and IRCAM. He developed the software Max and wrote the core of the software Pd. He currently works at the University of California, San Diego. Since 1997 he has also been involved in the *Global Visual Music* project.

Marc Ries

Teaching and research work at German and Austrian universities, most recently temporary professorship for Comparative Image Theory at the Friedrich Schiller University Jena. Author for the art magazine *Die Springerin*.

Winfried Ritsch

University Professor at the Institute for Electronic Music and Acoustics at the University of Music and Performing Art Graz. Developed electronic music devices and experiments for interactively generating computer music.

Andrey Savitsky

Designer, photographer and multimedia artist from Minsk.

Christian Scheib

Studied instrumental music and music theory in Vienna and Berlin. Since 1992 journalist for New Music (ORF) and producer of the Radio Österreich 1 radio series *Zeit-Ton*. Since 1995 program director of the festival musikprotokoll im steirischen herbst.

Susanne Schmidt

Political scientist and project manager for Linux based software companies. Freelance author and journalists with articles published in *c't*, *iX*, *Datenschleuder (CCC)*, *Linux Magazin* and *Linux Enterprise*.

Hans-Christoph Steiner

Interested in robot development, computer music and interactive art projects. Involved in computer music and sculpting in Silicon Valley. Currently lives in Brooklyn working on his masters degree at the *Interactive Telecommunications Program* of the New York University.

James Tittle

James is a Louisville, KY native who graduated from the University of Kentucky with both a BS in Biology and an MS in Neurobiology. He has since squeaked by as an artistic programmer who specializes in interactive video/3d: notable projects include works for the Speed Museum, the Humana Festival of New American Plays, workshops & lectures in Chicago/Bergen/Graz, visuals for Parlour, and numerous gallery shows.

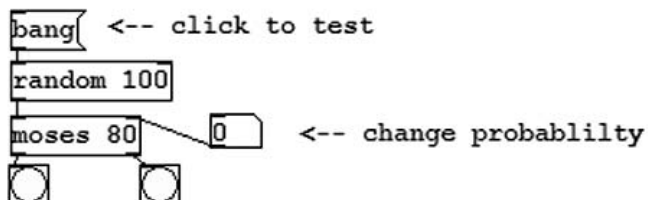
Harald Witsche

Publications on scientific theory, phenomenology and system theory, numerous lectures nationally and internationally. Since 1995 systematic investigation of electronic and electroacoustic music and continental football in theory and practice. Artistic work in the field of electronic and electroacoustic music. Author for *Skug – Journal für Musik*.

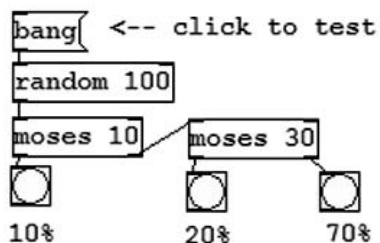
IOhannes m zmölnig

Lives and works as a media artist / software developer in Graz. Since 1995 Zmölnig has been involved in electronic music and since 1998 in Free Software. Lecturer at the Institute for Electronic Music and Acoustics in Graz (IEM). Since 2001 maintainer of the Open Source project *Gem*.

You can generate weighted random numbers from uniformly distributed ones. If you just want two possible outcomes with a varying probability for each one, you can do as shown:



This outputs a number at left 80% of the time, otherwise at right, unless you override the "80" using the number box. You may extend this to more than two possible outcomes, for instance like this:



updated for Pd version 0.35

pd~ Release 0.1

Works form the pd~convention 04

AUDIO + VIDEO DVD

The first release of pd~ is a potpourri of audio, video, audio-visual and documentary works by artists that participated at the 1st international pd~convention in Graz, autumn04.

Tracklist:

1. Convention Trailer (XXkunstkabel)
2. Corrosion (Thomas Grill, Martin Pichlmair)
3. Sinus2b (IOhannes m zmölnig)
4. This Is Pop (Miha Ciglar)
5. Cypod (Beau Casey)
6. Showcase (Frank Barknecht)
7. Att (Georg Holzmann)
8. Moocow Meta Sub Remix (Bryan Jurish)
9. Automata Inak Vre (re_MI, Thomas Musil)
10. Hans Apd (Wolfgang Schwarzenbrunner)
11. Suite For Laptop And A DJ-Setup (Tim Blechmann)
12. r23 (Yves Degoyon)
13. Conica (Tom Shouten)
14. Worm (DJ chew_Z, VJ luX)
15. Pd Patches and Community (Fränk Zimmer)
16. Esoterisches Geplänkel (Bernhard Neugebauer)
17. Improvisation (Miller Puckette)
18. 1002 (Florian Hollerweger)
19. Pragmatics Fragment (Andrey Savitsky)
20. CHDH (Cyrille Henry)

<http://pd-graz.mur.at>