Easten dc th ginei stis 30 may

Meta to conference dcac

<https://eastndc.eu/> edv tha paroysiasv

pvs xrhsimopoiv to vpn

g na steiloyn xrhstew kai na dexthoyn n symmetexioyn s paixnidi

ayta ta paixnidia syndeontai me real time dedomena

network aspect

k pvs diasyndeetai me performance an doyme t online game san sullogikh performance in artistic manner

* To fainomeno ths synergasias einai endiaferon
* N paixv ston kybernoxvro mazi m toys theates k t social media toys
* Ti lete na to paroysiasoyme?

pvs kanv paixnidi m sypercollider

**/////////doyleyoyne me**

1. **OSCGroups**

[**http://www.rossbencina.com/code/oscgroups**](http://www.rossbencina.com/code/oscgroups)

open control

sto hamatsi xrisimopoieitai oti einai9 se utp

1. tcp ip

[Internet protocol suite](https://en.wikipedia.org/wiki/Internet_protocol_suite)

1. **UDP** is commonly **used for** applications that are “lossy” (can handle some packet loss), such as streaming audio and video. It is also **used for** query-response applications, such as DNS querie

**UDP** (User Datagram Protocol) is a communications protocol that is primarily used for establishing low-latency and loss-tolerating connections between

applications on the internet. It speeds up transmissions by enabling the transfer of data before an agreement is provided by the receiving party.

**//////////////////////**

* **H bash einai to IP**

**Apo to arpanet to stratiotiko to 60’ egine**

**Internet**

////

* G ayto k oristike leptomervs kalyptontas ola t epipeda texnologias apo ton hlektologo mexi ayton poy th k nth diaxeirhsh toy diktyou

////

* Etsi einai ena polyploko modelo poy to eftiaxan me layers strvmmata

**Ayto einai to osci**

**Open framework**

**/////**

* **Mesa einai to protokolo toy internet g t pvs metaferv dedomena poy einai oloklhrh ergasia ….**

**/////////////////////**

**From ETOS 5 AVARTS to Everyone: 06:01 PM**

**OSCGroups**

**http://www.rossbencina.com/code/oscgroups**

**UDP**

**TCP-IP**

**Matthew Wright ekane to OSCGroups an k exei th lexh sound einai g t panta**

**////////**

* **Service protocols einai toa tcp http https**

**Streaming protocols klp;**

**///////////////**

* **Tcp xarakthtristiko g handshake an o allos labeoi to paketao**

**Yparxei tropos na epalhtheuseis an xathike estv k ena bit oxi bite**

**Checksome mhxanismo g n t exasfalisei**

**Tcp ip internet protocol me tcp kleitoyrgia**

**kai udp einai oi dyo vaseis**

**user dategram protocol xvris guarantee**

**th xaseis dedomeno**

**alla exei pleonekthma**

**den xreiazetai n ginei handshake k ara den xanoume xrono….**

**////**

**Etsi performance k gamew ara poso konta einai**

**///////px.**

**Koynv mouse k an den paei sto paixnidi svsta tha astoxhsv**

**Ekei h enstiktvdhw prosarmogh t xrhsth paizei rolo ena protogvno embodiment**

**K etsi einai k h moysikh an t glistrisei ligo t plhktro t xeirozetai m to svma toy k ayto einai to udp….**

* **Mia metafrash toy command line’**

**At the begginhg was the command line**

**"In the Beginning  
was the Command Line"  
By Neal Stephenson**

[**http://www.cryptonomicon.com/beginning.html**](http://www.cryptonomicon.com/beginning.html)

[**https://www.goodreads.com/book/show/40383049-in-the-beginning-was-the-command-line**](https://www.goodreads.com/book/show/40383049-in-the-beginning-was-the-command-line)

**To osc einai oti Pairnv to command line kai to stelnv me udp**

**To na entopizv th lysh oxi pollyploka**

**To osc exei kn epanastash kai ola t software k hardware doyleyoyn etsi**

**///////**

**Ara ….**

**To osc exei th morgh comandline**

**/////////////**

**//////////////**

**//////////**

Learn UNIX in 10 minutes. Version 1.3

[**http://copeland.ece.gatech.edu/jac/6612/info/learnUNIXin10minutes.html**](http://copeland.ece.gatech.edu/jac/6612/info/learnUNIXin10minutes.html)

**2 pleyres epikoinvnia**

**Anthrvpos – server**

* Reactable Systems

[**https://www.youtube.com/channel/UClWWdyqBgYuw3tjuJutwCCg**](https://www.youtube.com/channel/UClWWdyqBgYuw3tjuJutwCCg)

### [**The reacTable**](http://www.youtube.com/user/marcosalonso)

The [reacTable](http://www.youtube.com/user/marcosalonso)is a musical instrument where you perform music by moving objects on the surface of a display/table. In 2004-2005 I developed the computer vision algorithms and marker system that allows the reacTable to rapidly identify and track marked objects on the table’s surface. [Martin Kaltenbrunner](http://modin.yuri.at/) packaged the vision algorithms up with OSC control and video capture libraries, documented it, and actually made it usable. It’s all available as the open-source[reacTIVision project](http://reactivision.sourceforge.net/).

[**http://reactivision.sourceforge.net/**](http://reactivision.sourceforge.net/)

**Download now for iOS and Android devices App Store:** [**https://goo.gl/yZMKMx**](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqa0ZNeVJzUUdWOVZ2dGNqLXFnaER4RmdQQVViQXxBQ3Jtc0tuSFJ1OGJQbFQ3R01GQzNMWDZCdEtSZnlIYk9FdzZNVzVjMU8xQXdiU2F4cUJvVDJIN3pOcWhkNEtXa0I2WWJBeDlqMVYxQmgxYktSOGlLVllScXlKcWxFMUdsYkVSRE9JdVEtZXNjRjhPdDF1ZzliTQ&q=https%3A%2F%2Fgoo.gl%2FyZMKMx)**​**

**Google Play:** [**https://goo.gl/GzHgsu**](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqa0RLNWEyRk9OeEFTemhzR1hKXzY1N21Qb2RMUXxBQ3Jtc0tteEpWSWZiQnpCQ2h6MldWdDdLRkYyUkZ5V1pPLWJNVEhRMm12LWhSdFNyQzhITmNiak9TbzVzU0lneHcwVHI2UWVvQzM2VC14VGVyZWFuSFJZZUZvdS1NOFpWR3ZWc3kwMG9ud1VVQ3F4XzNNY1NJaw&q=https%3A%2F%2Fgoo.gl%2FGzHgsu)**​**

**Your moves, your beats!**

**Motion control is the first step towards a whole new dimension of control for your drums; you can use your iPhone to trigger the snapshots of your session. There are four distinct gestures, identified using the latest in machine learning technology, which enable you to jump seamlessly between snapshots with your movements. From music producers to casual users, SNAP will help you create great drum patterns in any musical style, on the fly, with your fingertips.** [**https://reactable.com/snap**](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbHlXN0NOUGh4UjE2UXc4azRxaUpCQTZfM0drZ3xBQ3Jtc0tsSkhZSHVPeXpCT0NBNkdRdXpacTVqSTE2aEtLMzktMHFKNUYyUjZtZHNMMVhhdEFIc1B3SkRsN1VIVWtuaDBKZTlZa1lyT2ZPbkRqM3habFl3emN4Wk5VTUJSdVp0d3ZOSWV2RUdWaGwzZEw0SFFzYw&q=https%3A%2F%2Freactable.com%2Fsnap)**​ Video by WeLoveMartha** [**http://www.welovemartha.com**](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqa3o4dTZnT3d5bjRMT0tDS24wdHdIS0FKRDZKd3xBQ3Jtc0tuYXlZSnp5Z2ZCcGR1dkJyV0tMSWRnNDdxdEpCWFdsX1pkOEVub2tNRXdnZHJGVmFMSVlUMDhtbjV1dHV0dkY2QktzbGxTczFrZDdVT2VYUkFNdDhvOVdCSk5HNlh6Ym9yT0poVzF1c2lqV0FONnZRcw&q=http%3A%2F%2Fwww.welovemartha.com)**​ For more info visit our website:** [**https://reactable.com/**](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqblVLTjVTd09CR191SkU3cG1fNXpiMllPZWp4QXxBQ3Jtc0trUWRYb09zaEYwZ3drQl9RN1VUNkFSbXNnMDFkcXhWNkxYdVIxQXhkcTExdFZDeTg3VEdSeWxRbC1lZ3BPekYxQWxfYno4OC1mRDNadE9qVXNMWXkwRnE3VG03bkdMZm5nNkJrcHNTZDhQN3NNU3pFUQ&q=https%3A%2F%2Freactable.com%2F)

### **Real-time network audio client/server**

In early 2011 I completed a real-time audio streaming system for the [Museum of Old and New Art (MONA)](http://mona.net.au/) in Hobart. The system allows museum visitors to experience audio from video artworks using the iPod headphones they carry for their audio tours. I developed a system for streaming low latency real-time audio from a central capture server to iPod touch devices over a WiFi network. The system uses the [~~CELT~~](http://www.celt-codec.org/)codec for low-latency encoding and decoding and implements RTP/RTSP streaming over UDP.

**////////**

**Dns somain name system**

**K vgainoy t onomata sto diadyktio**

**Icann**

**G internet corporation for assigning numbers**

**Oi paroxoi mas mas dinoyn ip g na syndeomaste**

**K epeidoi exoume polla onomata ta allaxoyn**

**K kathe for a perneis allo ip poy anoigeis t royter**

**K to vpn analambanei n s dvsei kapoio stathero onoma**

**Kathe xrhsths th xekinhsei m to comandline**

**Kai xekina ena programma to demon poy sunexizei n trexei m command arguments poy leei oti th apeythenthei se kapoion server k exei to paixnidi kai th dhlvsei to pnoma paixth**

**////**

**Epipleon o mikros client poy trexei sto laptop exei port th dieythynsh poy th toy mila o server ;;;**

**Stelnv s ena port poy t exv dhlvsei m ta osc groups ekei akouei t client poy pernei thn entolh kai th stelbei sto paixnidi pou einai energh h scxesh me ton ekastete server**

**….**

**Apo t langyage t diamesolavhth mporv na epikoinvnhsv**

**……**

**Oi paixtes einai to sc langyage p stelnei ston aggeleioforo kao aytos sto paixnidi kai t paixnidi s oloys topys alloys kai t stelnoyn pisv s oloys**

**…..**

**Etsi mporei n paixei m osoys antexei t diaduktio**

**Ayto einai to osc groyps**

**/////////////////////////////////////////////////////////////////////**

[**https://pypi.org/project/netaddr/**](https://pypi.org/project/netaddr/)

**/////////////////////////////////////**

# netaddr

A system-independent network address manipulation library for Python 2.7 and 3.5+. (Python 2.7 and 3.5 support is deprecated).

[**https://netaddr.readthedocs.io/en/latest/tutorial\_01.html**](https://netaddr.readthedocs.io/en/latest/tutorial_01.html)

**//////////**

**////////**

**////////**

**////////**

* **2 ergasies**
* **1. Kathgoriopoihsh paixnidivn**
* **Apo gioygkianh typologia mexri eunografia me typologia paramyuivn px, toy gefyrioy ths artaw**
* **Kefalaio eunografias , kai koyltoyras klp. Polu palia**

**Omvs Yparxei apo to mesopolemo**

**Paul rigge …….typologia toy narrative genika**

**K**

**Homo ludens shmeiologoi paixnidivn**

**K narratologist sthn iapvnia poly kalos**

**Yparxei k h kathgoriopoihsh tvn paixnidivn**

**N vrv arthra k vivlia g ayta**

**….**

**Px. Ta taro poy anoikoiyn klp.**

**Finkel**[**https://www.youtube.com/watch?v=WZskjLq040I**](https://www.youtube.com/watch?v=WZskjLq040I)

**To emporio tsiggoy mia alalh curator mila g ayto t emporio poy einai h vash g ayta ta paixnidia opvs to tavli**

**…**

**Allh kathgoria einai to A, go poy eixan diagvnistei me AI**

**To skaki**

**To second life einai allo**

**Advantyre gamesopvs to brantheftoto**

**Xekinhse apo hackers poy hthelan n lysoyn ena paixnidi labyrinthvn**

**sososo**

**opoios vrei tis kathgoriew typology k narrative na vrv thn ereyna kai tis phges poy kanoyn kathgoriopoihsh**

**exei arista**

**na grapsv sto redme sto github thn ergasia**

**ml k labyrinth**

1. **Machine learning**

**Mia allh kathgoria poy xefeygei**

**Karga poihtiko**

**Thema sxeshs poishs k logotexnias san empneush**

**Gt to eyros ths logotexnikhs paragvghw xeperna ta oria mias hremhs skepshs**

**Opvs ta prvta ervtika poihmata apo th bayhlvnia fantastikhs omorfias ‘**

**K sthn klasikh poihsh paliaw diathikhs s Mesopotamia**

**Allh kathgoria se Mesopotamia opvs ooi throinoi ieremia g thn polh vs gynaika panta**

**2000p.X**

**Prvta arabika poihmata apo pro islamiki epoxh**

**Kinas iapvnias sylloges**

**Latinikhs amerikhs ta botseis**

**Borhes**

**Shakespear mexri blake metafysikh poihsh**

**K appoliner kai Gambino sthn rap**

**K.i.z rap omada gertmanvn sto berlin**

**Crosscaltural**

**Kabafhw kai ritsos k empeirikos**

**Apo to 2600 p.x mexri to l.a k beolino shmera 2021**

**Alkaios sapfv**

**Xristianika poihmata**

**Fombinien**

**Messaivnikh latreytikh poihsh**

**Ieratikh metafisikh**

**Politismikh**

**Treletoyrgikh**

**Aforistikh**

**San phgh empneyshw**

**///////**

**Challenge**

**Poimata se eury ‘h bathi proseggish**

**///////**

**Omadika sthn arxh kai meta apo ena skelos**

**Sto telos t paradvteo einai memonomeno**

**Thn poihsh san empneysh**