ÎÎ ÎÎÎÎÎ©ÎÎÎ ÎÎÎÎ¡Î©Î ÎÎ¥-Î¥Î ÎÎÎÎÎÎ£Î¤Î (hci)

ÎÎ½Î¿Î¼Î±ÎÎµÏÎÎ½ÎÎ¼Î¿: ÎÎ±ÏÎ¯Î»Îµ¹Î¿Ï-ÎÏÎ±ÏÎ¯ ÎÎ±Î¼ÎÎ¬Î¹Î½Î¹

ÎÏÎ¹Î¸Î¼ÏÎ ÎÎ·ÏÏÎ¿Ï: Î 2019014

[Î¤Î¿ GitHub ÏÏÎ¿ÏÎ¯Î» Î¼Î¿Ï](https://github.com/vasiliskampani)

[Î¤Î¿ GitHub ÏÏÎ¿ÏÎ¯Î» ÏÎ·Ï Î¿Î¼Î¬Î¿Î¯Î¼Ï Î¼Î¿Ï](https://github.com/TEAM11234/)

Owner ÏÎÎ·Î½ Î¿Î¼Î¬Î¿Î¯Î± [TEAM11234](https://github.com/TEAM11234/)

| ÎÎ²Î¯Î¿Î¼Î¬Î¿Î¯Î± | Î Î±ÏÎ±Î¯Î¿ÏÎÎ± | ÎÏÎÎ½Î¯ÎµÏÎ¼Î¿Ï ÏÎÎ·Î½ [ÎµÎ²Î¯Î¿Î¼Î±Î¬Î¹Î¿Î¯Î± ÏÎ±ÏÎ¿ÏÎÏÎ¯Î· ÏÎÎ¿ÏÎ¯Î¿Ï ÏÎÎ¹Ï ÏÎÎ¶Î·ÎÎ®ÏÎµÎ¹Ï](https://github.com/courses-ionio/help/discussions/categories/show-and-tell) | ÎÏÎÎ¿Î±Î¾Î¹Î¿Î»ÏÎ³Î·ÏÎ· | | --- | --- | --- | --- | | 1 | <li><a href="#ÎÎ¹ÏÎ±Î³ÏÎ³Î®">ÎÎ¹ÏÎ±Î³ÏÎ³Î®</a> | [Link ÏÎ·Ï ÏÎ±Î¿ÏÎÏÎ±ÏÎ·Ï](https://github.com/courses-ionio/help/discussions/875/) | | | | 2 | <li><a href="#ÎÎ³Î°Î±ÎÎ¬ÏÏÎ±ÏÎ· ÏÎ¿Ï Î»Î¿Î³Î¹ÏÎ¼Î¹Î°Î¿Ï Arch Linux">ÎÎ³Î°Î±ÎÎ¬ÏÏÎ±ÏÎ· ÏÎ¿Ï Î»Î¿Î³Î¹ÏÎ¼Î¹Î°Î¿Ï Arch Linux</a> | [Link ÏÎ·Ï Î±Î½Î±ÎÎ¿ÏÎ¬ÏÎ· ÏÎ¿Ï Î¼Î³Î°Î±ÎÎ¬ÏÎ·Ï ÏÎ¿Ï Arch Linux](https://github.com/courses-ionio/help/discussions/1088/) | | | | 3 | <li><a href="#Î£ÏÎ¼Î¼Î¿ÏÎ¿ÏÎ¹Î°Ï ÏÎµÏÎ¹Î¼ÏÎÎ¼Î¿Ï½Î¿ A1">Î£ÏÎ¼Î¼Î¿ÏÎ¿ÏÎ¹Î°Ï ÏÎµÏÎ¹Î¼ÏÎÎ¼Î¿Ï½Î¿ A1</a> | [Link ÏÎ·Ï Î±Î½Î±ÎÎ¿ÏÎ¬ÏÎ· ÏÎ¿Ï ÏÎÎ¼Î¼Î¿ÏÎ¿ÏÎ¹Î°Ï ÏÎµÏÎ¹Î¼ÏÎÎ¼Î¿Ï½Î¿ Î1](https://github.com/courses-ionio/help/discussions/1357/) | | | | 4 | <li><a href="#Warm Up Î¬ÏÎ°Î·ÏÎ· Î³ÏÎ±Î¼Î¼Î®Ï ÎµÎ½ÏÎ¿Î»ÏÎ½">Warm Up Î¬ÏÎ°Î·ÏÎ· Î³ÏÎ±Î¼Î¼Î®Ï ÎµÎ½ÏÎ¿Î»ÏÎ½</a> | [Link ÏÎ·Ï Î±Î½Î±ÎÎ¿ÏÎ¬ÏÎ· ÏÎ·Ï warm up Î¬ÏÎ°Î·ÏÎ· Î³ÏÎ±Î¼Î¼Î®Ï ÎµÎ½ÏÎ¿Î»ÏÎ½](https://github.com/courses-ionio/help/discussions/1373/) | | | | 5 | <li><a href="#Î£ÏÎ¼Î¼Î¿ÏÎ¿ÏÎ¹Î°Ï ÏÎµÏÎ¹Î¼ÏÎÎ¼Î¿Ï½Î¿ A1">Î£ÏÎ¼Î¼Î¿ÏÎ¿ÏÎ¹Î°Ï ÏÎµÏÎ¹Î¼ÏÎÎ¼Î¿Ï½Î¿ A1</a> | [Link ÏÎ·Ï Î±Î½Î±ÎÎ¿ÏÎ¬ÏÎ· ÏÎ¿Ï ÏÎÎ¼Î¼Î¿ÏÎ¿ÏÎ¹Î°Ï ÏÎµÏÎ¹Î¼ÏÎÎ¼Î¿Ï½Î¿ Î2](https://github.com/courses-ionio/help/discussions/1449/) | | | | 6 | ÎÎ±ÏÎ±Î°ÎµÏÎ® ÏÎ¿Ï Î²Î¹Î²Î»Î¯Î¿Ï Î | | | | 7 | Î£ÏÎ¼Î¼Î¿ÏÎ¿ÏÎ¹Î°Ï ÏÎµÏÎ¹Î¼ÏÎÎ¼Î¿Ï½Î¿ B1 | | | | 8 | ÎÎÎ°Î·ÏÎ· Î³ÏÎ±Î¼Î¼Î®Ï Î¼Î¿Ï½ÏÎ¿Î»Î¿Ï | | | | 9 | Î£ÏÎ¼Î¼Î¿ÏÎ¿ÏÎ¹Î°Ï ÏÎµÏÎ¹Î¼ÏÎÎ¼Î¿Ï½Î¿ B2 | | | | 10 | ÎÎÎ°Î·ÏÎ· Î³ÏÎ±Î¼Î¼Î®Ï Î¼Î¿Ï½ÏÎ¿Î»Î¿Ï | | | | 11 | ÎÎ±ÏÎ°ÎµÏÎ® ÏÎ¿Ï Î²Î¹Î²Î»Î¯Î¿Ï Î | | | | 12 | Î¤Î¼Î»Î¹Î°Î® Î±Î½Î±ÏÎ¿Î¬* | | |

Î ÏÏÎÎ· Î¼Î²Î¯Î¿Î¼Î¬Î¿ / ÎÎ¹ÏÎ±Î³ÏÎ³Î®

Î¤Î¿ Î¼Î¬Î·Î¼Î± ÏÎ·Ï ÎÏÎ¹Î°Î¿Î¹Î½ÏÎ½Î¯Î¿Ï Î¬Î½Î¸ÏÏÎ¿Ï-Î¥ÏÎ¿Î»Î¿Î³Î¹ÏÎ® ÏÎµ ÏÏÎ¿ÏÏÎ¹Î°Ï Î¼ÏÎ¯Î¼Î¿ÏÎ¿ ÎµÎ¯Î½Î±Î¹ ÎÎ½Î¿Î¹Ï½Î¿ Î±Î¹ÏÎ¯Î± ÏÎ¿Ï Î¼Î¬Î¸Î·Î¼Î± ÏÎ¿Ï Î¼Î¿Ï

ÏÎ±Î½ ÏÎ·Ï Î±Î½Î¸ÏÏÎ¹Î½Î·Ï ÏÎ±Î½ÏÎ±ÏÎ¯Î±Ï. Î ÏÎ±ÏÏÎ·ÏÎ± ÎµÎ¾ÎµÎ»Î¹Î¾Î® ÏÎ·Ï ÏÎµÏÏÎ¿Î»Î¿Î³Î¯Î±Ï Î¼Î±Ï ÏÎ¿Î¸Î¿Ï Î½Î± Î±Î½Î²Î±Î¸Î¿Î¼Î¹ÏÎ¹Î¶Î¿Ï ÏÎ±Î¹ÏÎ¹Î¬Î¶Î¿Ï Î¼Î¹Î± Î¿Î¼Î¬Î´Î± ÏÎ¿Î¹Î¸Î·ÏÏÎ½ Î·Î¼Î¯Î¸ÎµÏ, ÏÎ¿Î»Î¿Î³Î¹Î¹, Î·ÏÎµÏÏÎ¿Î»Î¿Î³Î¯Î± Î¼Î¹Î¿Ï ÏÎ¿Î¸Î¿Ï Î¼Î¿Ï Î¿Î¼Î¬Î´Î± ÏÎ¿Ï ÏÏÎ¿Ï Î¿Î¼Î¬Î´Î±

Î´Î¹Î¬Î´ÏÎ±ÏÎ·Ï"** Î´ÏÎ¿ Î¸ÎÎ¼Î±ÏÎ± ***Î´Î¹Î±ÏÎ¿ÏÎµÏÎ¹Î°Î¬ ÏÎ¿ ÎÎ½Î± Î±ÏÎ¿ ÏÎ¿ Î¬Î»Î»Î¿*** Î±Î»Î»Î± Î°Î±Î¹ ÏÎ± Î´ÏÎ¿ Î½Î± Î±ÏÎ¿ÏÎ¿ÏÎ½ ÏÎ·Î½ Î±Î»Î»Î·Î»ÎµÎ¬Î´ÏÎ¿ Î±Î½Î¬Î¸ÎµÏÎ· Î±Î¿Î¸Î¬Î½Î±Ï Î¿Î¹ÏÏÎ®. H ÎµÎ½ÏÏÎ¼Î¬Î¬ÏÏÎ· ÎÏÎµÎ¼Î¿ÏÎ¹Î±Ï Î¼Î¿Ï Î¼Î¿Ï **[Î°ÎµÎ½ÏÏÎ¹Î°Î¿Ï Î±ÏÎ¿Î¸Î¬Î¿Ï pibook ÏÎ·Ï Î¿Î¼Î¬Î¼Î¿Ï Î¼Î¿Ï](https://github.com/TEAM11234/site/)**. Î£ÏÎ½Î¿ÏÏÎ¹Î°Î¬, Î³Î¹Î± ÏÎ¿ Î°Î¬Î¸Î¿Ï Î¸ÎµÎ¼Î±Ï Î¾ÎµÏÏÏÎ¹ÏÎ¬ Î¼Î¿Ï Î±Î½Î¿Î¹Î³Î¿ÏÎ½ÎµÏ Î±Î½Î±Î¼ÎµÏÎ¬ÏÎ¿Ï Î¼Î¿Ï Î¿Î¹ÎºÎ¿Î³ÎÎ½ÎµÎ¹Î±Ï **[images](https://github.com/TEAM11234/images/)** (Î¼Î¹Î± Î¼Î¹Î°ÏÎ® 160 pixels ÏÎ»Î¬ÏÎ¿ ÏÎ thumbnail Î°Î±Î¹ Î¼Î¹Î± Î°Î±Î½Î¿Î¼Î°Î®) Î°Î±Î¹ Î½Î± ÏÎ¿ ÏÎµÏÎ¹Î³ÏÎ¬ÏÎ¿Ï Î¼Î¿Ï **[_gallery](https://github.com/TEAM11234/_gallery/)** ÏÏÎ±Î³Î¼Î±ÏÎ¿ÏÎ¿Î¹ÏÎ½ÏÎ±Ï ÏÎ¹Ï Î°Î±ÏÎ¬Î»Î·Î»Î¿Ï Î±Î»Î»Î±Î³Î¼Î¬ÏÏ Î±Î»Î»Î±Î³Î¿ÏÎ¿Ï Î¼Î¿Ï Î¸Î¿ÏÎµÎ¬Ï.

Sensorama

Î¤Î¿ ÏÏÏÎ¿ Î¸ÎÎ¼Î± ÏÎ¿Ï Î¼ÏÎ»Î¼Î¾Î± Î³Î¹Î± ÏÎ¿ ÏÏÎ¼Î¼Î¼ÏÎ¿ÏÎ¹Î°Ï ÏÎµÏÎ¹Î¼ÏÏÎ¼Î½Î¿ Î¼Î¯Î½Î±Ï **Sensorama**. Î¤Î¿ Sensorama Î¼Î¯Î½Î±Ï ÎÎ½Î± Î±ÏÎ± ÏÎ±Î»Î¹ÏÎµÎ¼ÏÎ± Î¼Î·ÏÎ±Î½Î®Î¼Î±Ï Î¼Î¼Î²ÏÎ¸Î¹Î¼Î¿ÏÎ¹Ï Î¿Î»Î¿Î¹Î¸Î¿ÏÎ¿Ï ÏÎ¿ Î¸ÎÎ¹Î¿ Î±ÏÎ¿ Î¸ÎÎ¿ Î¸Î»Î¿Î¿ÏÎ¿ Î¸Î¿ÏÎ¿ÏÎ¿ÏÎ

Î±Î»Î»Î±Î³ÎÏ Î¼Î¿Ï ÏÏÎ¿ ***_gallery***

<p align="center"> <a href="https://asciinema.org/a/y5tqYttql2QqGhlHZJ1SK5Wr3" target="_blank"><img src="https://asciinema.org/a/y5tqYttql2QqGhlHZJ1SK5Wr3.svg" /></a> </p>

| | Netlify links Î³Î¹Î± Ïo Sensorama ÎºÎ±Î¹ ÏÎ¿ Amiga 500 | | --- | --- | | 1 | [Netlify link Sensorama](https://vasiliskampani-site.netlify.app/gallery/sensorama/) | | 2 | [Netlify link Amiga 500](https://vasiliskampani-site.netlify.app/gallery/amiga500/) |

| | Pull Request links Î³Î¹Î± ÏÎ¿ ÏÏÎ¼Î¼ÎµÏÎ¿ÏÎ¹ÎºÏ ÏÎµÏÎ¹ÎµÏÏÎ¼Î¼Î½Î¿ Î1 | | --- | --- | | 1 | [Pull Request _gallery](https://github.com/TEAM11234/_gallery/pull/4/) | | 2 | [Pull Request images](https://github.com/TEAM11234/images/pull/4/) |

Î¤ÎÏÎ±ÏÏÎ· ÎÎ²Î´Î¿Î¼Î¬Î´Î± / ÎÏÎºÎ·ÏÎ· Î³ÏÎ±Î¼Î¼Î®Ï ÎµÎ½ÏÎ¿Î»ÏÎ½ (warm up cli)

ÎÎ¹Î± ÏÎ·Î½ 4Î· ÎµÎ²Î´Î¿Î¼Î¬Î´Î± ÏÎ¿Ï Î¼Î±Î¸Î®Î¼Î±ÏÎ¿Ï Î¼Î±Ï Î¶Î·ÏÎ®Î¸Î·ÎºÎµ Î½Î± Î±ÏÏÎ¿Î»Î·Î¸Î¿ÏÎ¼Î¼ Î¼Î¼ Î¼Î¹Î± warm up Î¬ÏÎºÎ·ÏÎ· Î³ÏÎ±Î¼Î¼Î®Ï ÎµÎ½ÏÎ¿Î»ÏÎ½! Î£ÏÎ³ÎºÎµÎºÏÎ¹Î¼ÎÎ½Î± Î±ÏÏÎ¿Î»Î®Î¸Î·ÎºÎ± Î¼Î¼ ÏÎ¿ [**youtube-dl**](https://github.com/ytdl-org/youtube-dl/) Î¼Î¼ ÏÎ¿ Î¿ÏÎ¿Î¯Î¿ ÎºÎ±ÏÎÎ²Î±ÏÎ± ÏÎ¿ Î±Î³Î±ÏÎ·Î¼Î¬Î½Î¿ Î¼Î¿Ï ÏÏÎ±Î³Î¿ÏÎ´Î¹ ÎºÎ±Î¹ ÏÎ¿ ÎÏÏÎµÎ¾Î± Î¼ÎÏÎ± Î±ÏÎ¿ ÏÎ¿ ÏÎµÏÎ¼Î±ÏÎ¹ÎºÏ.

ÎÎ³ÎºÎ±ÏÎ¬ÏÏÎ±ÏÎ·

✔ ‘sudo curl -L https://yt-dl.org/downloads/latest/youtube-dl -o /usr/local/bin/youtube-dl‘

✔ ‘sudo chmod a+rx /usr/local/bin/youtube-dl‘

ÎÎ®ÏÎ· ÎºÎ±Î¹ Î±Î½Î±ÏÎ±ÏÎ±Î³ÏÎ³Î®

✔ ‘youtube-dl https://myurl/youtube.com‘

✔ ‘mpv https://myurl/youtube.com‘

Î£ÏÎ¿ ÏÎ±ÏÎ±ÎºÎ¬ÏÏ **asciinema** ÏÎ±ÏÎ¿ÏÏÎ¹Î¬Î¶Ï ÏÎ¹Ï ÎµÎ½ÏÎ¿Î»ÏÏ Î±ÏÎ¿ ÏÎ·Î½ Î»Î®ÏÎ· Î¼ÎµÏÏÎ¹ ÎºÎ±Î¹ ÏÎ·Î½

Î±Î½Î±ÏÎ±ÏÎ±Î³ÏÎ³Î® ÏÎ¿Ï Î±ÏÏÎµÎ¯Î¿Ï ÏÎ¿Ï ÎºÎ±ÏÎ²Î±Ï Î±ÏÎ¿ ÏÎ·Î½ ÏÎ»Î±ÏÏÏÎ¼Î± ***YouTube***

 <a href="https://asciinema.org/a/6YLWeW25Ebu7CexOGpOLxXUli" target="_blank"><img src="https://asciinema.org/a/6YLWeW25Ebu7CexOGpOLxXUli.svg" /></a>

Î ÎÎ¼ÏÎ· ÎµÎ²Î´Î¿Î¼Î¬Î¬Î¬ / ÎÏÎ¼Î¼ÎµÎ¿ÎºÎ¹ÏÎµÎ¼ÏÎ¼Î½Î¿ Î2

ÎÎ¹Î± ÏÎ¿ ÏÎ¼Î¼ÎµÎ¿ÎºÎ¹ÏÎµÎ¼ÏÎ¼Î½Î¿ Î2 Î¼Î±Ï Î¶Î·ÏÎ®Î¸Î·ÎºÎµ Î½Î± ÏÎ±Î³Î¼Î±ÏÎ¿ÎºÎ¿ÏÎ¿ÏÎ®ÏÎ¿ÏÎ¼Î Î±Î»Î»Î±Î³ÎÏ Î³Î¹Î± ÏÎ± Î´ÏÎ¿ Î¸ÎÎ¼Î±ÏÎ¿ÏÎ¿ Î¼ÎÎ¹Î¼Î¬ÏÎ¼ÎÏÎ¼Î½Î¿ ÏÎ¼ÎÎ¹Î¼Î¬ÏÎ¼ÎÏÎ¼Î½Î¿ Î1 Î±Î»Î»Î¬ ÎºÏÎÎ· ÏÎ· ÏÏÎ± ÏÎÎ± Î±ÏÎÎµÎ¯Î± ***_slides*** ÎºÎ±Î¹ ***_timeline***. Î Î¹Î¿ ÏÎÎ³ÎºÎµÎºÏÎ¹Î¼Î½Î± ÏÎ»Î¿ÏÎ¯Î·ÏÎ± ÏÎ± ÎµÎ¾Î®ÏÎ·ÏÎ® ÏÎ¿Ï:

✔ Î ÏÎ¿ÏÎ¸Î®ÎºÎ· ÏÎ¿Ï **Sensorama** ÏÏÎ¿ ÏÎ¬ÎºÎµÎ»Î¿ /[_slides](https://github.com/vasiliskampani/site/tree/2019014/_slides)/forms.md

✔ ÎÎ·Î¼Î¹Î¿ÏÎ³Î¯Î± Î±ÏÎµÎ¯Î¿Ï [_timeline](https://github.com/vasiliskampani/site/tree/paradoteo5_branch/_timeline)/immersive-virtual-reality.md ÎºÎ±Î¹ ÏÎ¿ÏÎ¸Î®ÎºÎ· ÏÎ¿Ï **Sensorama** Î¼ÎÎ±

✔ Î ÏÎ¿ÏÎ¸Î®ÎºÎ· ÏÎ¿Ï **Amiga 500** ÏÏÎ¿ [_slides](https://github.com/vasiliskampani/site/tree/paradoteo5_branch/_slides)/forms.md

✔ Î ÏÎ¿ÏÎ¸Î®ÎºÎ· ÏÎ¿Ï **Amiga 500** ÏÏÎ¿ [_timeline](https://github.com/vasiliskampani/site/tree/paradoteo5_branch/_timeline)/personal.md

| | Î£ÏÎ½Î´ÎµÏÎ¿Î¹ Î³Î¹Î± ÏÎ¿ Netlify | | --- | --- | | 1 | [Netlify slides Î³Î¹Î± ÏÎ¿ Sensorama](https://vasiliskampani-site.netlify.app/slides/styles/) | | 2 | [Netlify slides Î³Î¹Î± ÏÎ¿ Amiga500](https://vasiliskampani-site.netlify.app/slides/forms/) | | 3 | [Netlify timeline Î³Î¹Î± ÏÎ¿ Sensorama](https://vasiliskampani-site.netlify.app/timeline/immersive-virtual-reality/) | | 4 | [Netlify timeline Î³Î¹Î± ÏÎ¿ Amiga 500](https://vasiliskampani-site.netlify.app/timeline/personal/) |

Î£ÏÎ¼Î¼ÎµÎ¿ÏÎ® ÏÏÎ·Î½ Î¿Î¼Î±Î´Î¹ÎºÎ¬ÏÎ¿ÏÎÏÎ±

| | Î£ÏÎ½Î´ÎµÏÎ¿Î¹ ÏÏÎ¿Î»Î¹Î¼ÏÎ½ ÏÏÎ·Î½ Î¿Î¼Î¬Î´Î± | | --- | --- | | 1 | [Î£ÏÎ¿Î»Î¹Î¼ÏÎ¼Ï ÏÎµ Pull Request ÏÎ¿Ï site ÏÏÎ½Î±Î´ÎÎ»ÏÎ¿Ï](https://github.com/TEAM11234/site/pull/1/) | | 2 | [Î£ÏÎ¿Î»Î¹Î¼ÏÎ¼Ï ÏÎµ Pull Request ÏÎ¿Ï images ÏÏÎ½Î±Î´ÎÎ»ÏÎ¿Ï](https://github.com/TEAM11234/images/pull/1/) | | 3 | [Î£ÏÎ¿Î»Î¹Î¼ÏÎ¼Ï ÏÎµ Pull Request ÏÎ¿Ï _gallery ÏÏÎ½Î±Î´ÎÎ»ÏÎ¿Ï](https://github.com/TEAM11234/_gallery/pull/1/) |

ÎÎºÏÎ· ÎÎ²Î´Î¿Î¼Î¬Î¬Î¬ / ÎÎ±ÏÎ±ÏÎºÎµÏÎ® ÏÎ¿Ï Î²Î¹Î²Î»Î¯Î¿Ï Î (warm up cli)

ÎÎ¹Î± ÏÎ·Î½ Î°Î±ÏÎ±ÏÎ°ÎµÏÎ® ÏÎ¿Ï Î²Î¹Î²Î»Î¯Î¿Ï (Î¼ÎÏÎ¿Ï Î) Î¼ÏÎ¿Ï Î½Î± ÏÏ Î· Î´ÏÏÎ°Î¿Î»Î¯Î± Î±ÏÎ¾Î®Î¸Î·Î°Îµ ÏÎµ ÏÎÎÎ· Î¼Îµ ÏÏÎ¿Î·Î³Î¿ÏÎ¼ÎµÎ½Î± ÏÎ±ÏÎ´Î¯Î¿Ï Î°Î¹ Î¼Î¹ Î´ÏÎ°Î¿ÏÎ»ÎµÎ¯Î± Î±ÏÎ°ÏÎÎ±

EÎ³Î°Î±ÏÎ¬ÏÎ· pandoc Î°Î±Î¹ python

ÎÏÏÎ¹Î°Î¬ ÎµÎ³Î°Î±ÏÎÎÏÎ·ÏÎ± Ïo **panodc** Î¼Îµ ÏÎ·Î½ ÎµÎ½ÏÎ¿Î» ‘sudo pacman -S pandoc‘ Î°Î±Î¹ ÏÏÎ·Î½ ÏÏÎ½ÎÏÎµÎ¹Î± ÏÎ¿ ÏÎ±Î°ÎÏÎ¿ **pip** ÏÎ·Ï **python** ÎµÏÏÎ¹ ÏÏÏÎµ Î½Î± Î°Î±ÏÎµÎ²Î¬ÏÏ ÏÎ¿ ÏÎ¯Î»ÏÏÎ¿ **fignos** Î¼Îµ ÏÎ·Î½ ÎµÎ½ÏÎ¿Î»Î® ‘sudo pip install pandoc-fignos‘ ÎÎ½Î± ÏÎ¯Î»ÏÏÎ¿ ÏÎ¿Ï pandoc Î³Î¹Î± Î¼ÎµÎ±ÏÏÎ¿ÏÎÏ Î±ÏÎ¿ markdown ÏÎµ Î°Î¬ÏÎ¿Î¹Î¿ Î¬Î»Î»Î¿ Î±ÏÎµÎ¯Î¿.

ÎÎ½ÏÏÎ¼Î¬ÏÏÎ· submodules ÏÎ¿Ï Î±ÏÎ¿Î¸ÎµÏÎ·ÏÎ¯Ï Î¼Î¿Ï Î±ÏÎ¿ ÏÎ¿ site

ÎÎ¹Î± ÏÎ·Î½ ÏÏÎ¿ÏÎ¸Î®Î°Î· ÏÏÎ½ Î®Î´Î· ÏÏÎ±ÏÏÎ½ **submodule** Î¼Î¿Ï Î±ÏÎ¿ ÏÎ¿ Î±ÏÎ¿Î¸ÎµÏÎ®ÏÎ¹Î¿ **site** ÏÏÎµÎ¹Î¬ÏÏÎ·Î°Î±Î»Î± Î½Î± ÏÏÎ¾Ï Î±ÏÎ»Î®Î¸Î·Î°Îµ ÏÎ¿Ï submodule ÏÎ± ÎµÎ¯Î¿Ï Î½Î± ÏÏÎ¿Î¸Î¿ÏÎ¿Ï Î½Î± ÏÏÎ¿Î¸ÎµÏÎ¹Î¿ ÎµÎ¯Î¿ÏÎ¿ÏÎ¹Î¿ Î´Î¹Î¬ÏÎ¿ÏÎ¹Î¿ ÎµÎ° Î½ÎÎ¿Ï.

ÎÏÎµÎ¾Î¿ÏÎ³Î±ÏÎ¯Î± ÏÎ¿Ï Î±ÏÏÎµÎ¯Ï Î¼Î¿Ï make-latex.sh

ÎÎ¹Î± ÏÎ·Î½ Î°Î±ÏÎ¬Î»Î»Î·Î» ÎµÎ¯Î¼Î¿Ï Î¼ÏÎµÎ¾Î¿ÏÎ³Î±ÏÎ¯Ï ÏÎ¿Ï Î±ÏÏÎµÎ¯Ï **make-latex.sh** ÎÎ²Î±Î»Î± ‘#sed -i ’’ ’s+Figure+ÎÎ¹Î°ÏÎ½Î±+g’ ./latex/ch0*‘ ÎµÏÎÎ¹ ÏÏÏÎµ Î½Î± Î¼ÏÎ¿ÏÏÏ Î½Î± ÎµÎ½ÏÏÏÎ¼Î±ÏÏÏ 2 ÎµÎ½ÏÎ¿Î»ÎÏ ÏÎ¿Ï **pandoc** ÏÏÎ¿ ÏÎÎ»Î¿Ï ÏÎ¿Ï Î±ÏÏÎµÎ¯Ï. ÎÎ¹ ÎµÎ½ÏÎ¿Î»ÎÏ ÎµÎ¯Î½Î±Î¹ Î¿Î¹ ÎµÎ¼Î®Ï :

‘pandoc -s latex/*.tex -o book.tex‘
 ‘pandoc -N --quiet --variable "geometry=margin=1.2in" --variable mainfont="Noto Sans Regular" --variable sansfont="Noto Sans Regular" --variable monofont="Noto Sans Regular" --variable fontsize=12pt --variable version=2.0 book.tex --pdf-engine=xelatex --toc -o book.pdf‘

Î ÏÏÏÏÎ· ÎµÎ¯Î½Î±Î¹ Î³Î¹Î± ÏÎ·Î½ Î´Î¹Î¬Î¿Ï Î²Î¹Î²Î»Î¯Ï ÏÎµ Î±ÏÏÎµÎ¯Ï ÏÎµ **tex** Î°Î±Î¹ Î· ÎµÏÏÎ¼ÎµÎ½Î· Î³Î¹Î± ÏÎ·Î½ Î´Î¹Î¬Î¿Ï Î²Î¹Î²Î»Î¯Ï ÏÎµ **pdf**

Î ÏÏÎ½ÎµÎ¹ÏÏÎ¿ Î¼Î¿

ÎÎ¹Î± ÏÎ·Î½ ÎµÎ¼ÏÎ»Î¿Î³Î® ÏÎ¿Ï Î¸ÎÎ¼Î±ÏÏÏ Î¼Î¿Ï ÏÎ®Î³Î± ÏÏÎ¿ submodule ***text*** Î°Î±Î¹ Î¾ÎµÎ°Î¯Î½Î·ÏÎ± Î½Î± Î´Î¹Î±Î²Î¬Î¶Ï ÎÎ½Î± ÎÎ½Î± ÏÎ± Î°ÎµÎÎ¬Î»Î±Î¹Î± Î¼ÎÏÏÎ¹ Î½Î± ÎµÎ¼ÏÎ¿Ï Ï ÏÎ¿ÏÎ¿Î¹Î¿ ÎµÎ¼Î½Î¹Î¬ÏÎ¿Î¹ 5 ÏÎ¿Ï Î²Î¹Î²Î»Î¯Ï Î°Î±Î¹ ÏÏÎ³Î°ÎµÎ¹Î°ÏÎ¹Î¼ÎÏÎ± ÏÏÎ·Î½ **ÎÏÏÎ¿ ÎµÎ¹Î°Î¿Î¹Î½ÏÏÎ¿Î±Ï** ÏÏÎ¿Ï Î¼Î¹Î»Î¬ÎµÎ¹ Î³Î¹Î± ÏÎ¹Î¹ÎµÎ¹Î¬ÏÎ¿Ï Î³Î¹Î± ÎµÎ¼ÏÎ¿Ï Î¼Î¿Ï Î¿Î¹ÏÎ¿Î¹ÏÎ¿Ï Î°Î±Î¹ ÏÏÎ¿ÏÎ¿Ï Î¿Î¹ÏÎ¿Ï Î¼Î

Î´ÏÏÏ ÎºÎ¬ÏÎ¿Î¹Î± ÏÎ±ÏÎ±Î´ÎµÎ¯Î³Î¼Î±Î± ÏÏÎ½ÎµÏÎ³Î±Ï¹ÎºÏÎ½ ÏÏÏÏÎ®Î¼Î±ÏÏÎ½ ÏÎ¿Ï Î´Î¹ÎµÏÎºÎ¿Î»ÏÎ½Î¿Ï ÏÎ·Î½ ÎµÏÎ±Î³Î³ÎµÎ»Î¼Î±Ï¹Îº ÏÏÎ½ÎµÏÎ³Î¬Ï¹Î± Î¼Î¬Î¸Î·Î¼Î±Ï¹Îº ÏÏÏÏ ÏÎ¿ **Vyew**, Î¼Î¯Î± ÏÎ»Î±ÏÏÏÎ¼Î± ÏÏÎ½ÎµÏÎ³Î±ÏÎ¹ÎºÏÎ¿Ï ÏÏÏÎ®Î¼Î±ÏÎ¿Ï.

[vyew.md](https://github.com/vasiliskampani/kallipos/blob/master/mycontribution/vyew.md/)

Î£ÏÎ¿ submodule text ÏÏÎ¿ [ch05.txt](https://github.com/mi-book/text/blob/841fb5d8416db5dc3cf417d6a2c03ec7a0367986/ch05.txt/) Î³Î¹Î± Î½Î± ÏÏÎ±Î³Î¼Î±ÏÎ¿ÏÎ¿Î¹Î·Î¸Î¿ÏÎ¼Îµ Î· ÏÏÎ¿ÏÎ¸Î®Î·Î· ÎÏÏÎµÏÎ½Î±Ï¹ÏÏÎ¿ Î½Î± ÎµÏÎ½Î±Ï¹Î¼Î¹ÏÏÎ¿Î»Î® **{.vyew}** Î±ÎºÏÎ²Ï ÎµÎºÎµÏÎ¿ÏÎ¿ÏÎ¼Î±Ï¹Î± Î½Î± ÏÏÎ¿ÏÎ¬Ï¹ÏÏÎ½ÎµÏÎ³Î¬Ï¹Î¿ Î¼Î¿Ï.

 ÎÎµÏÏÎµÏÎ¹Î¿Ï¹Î¿ Î´Î¹Î¿ÏÏÎ³Î·ÏÎ± ÎÎ½Î±Î½ ÏÎ¬ÎºÎ¿Ï directory ÎºÎ±Î¹ ÏÎµ Î±ÏÏÎ¹ÏÏÎ¸ÎµÎ¯ÎµÏ ÏÎ·Î½ ÏÏÎ½ÎµÏÎ³Î¬Ï¹Î¿ Î¼Î¿Ï.

ÎÎ·Î¼Î¹Î¿ÏÎ³Î¯Î± ÏÎ¿ ÏÎ¯Î»ÏÎ¿ Î¼Î¿Ï lua

ÎÎ¹Î± ÏÎ¿ ÏÎ¯Î»ÏÎ¿ lua Î¬Î»Î±Î¾Î± ÏÎ¿ ***font*** ÏÎ¿Ï ÏÏÎ®ÏÏÎµ Î®Î´Î· ÎºÎ±Î¹ ÎÎºÎ±Î½Î¿Î¹Î¼Ï Î±Î»Î»Î±Î³Î¯ ÏÏÏÏ ÏÎ¿ studentid ÎºÎ±Î¹ ÏÎ¿ credentials ÏÏÏÎµ Î½Î± Î¼Î¿Ï ÎµÎ¼ÏÎ±Î½Î¯Î¶Î¿Ï¹ ÏÎ¿ ÏÎ½Î¿Î¼Î± Î¼Î¿Ï ÎÎºÎ¿ÏÎ¹Î¿ ÎºÎ±Î¹ ÏÎ¿ÏÏ Î±ÏÎ¿ ÏÎ·Î½ ÏÏÎ½ÎµÏÎ¹ÏÏÎ¿ Î¼Î¿Ï ÎºÎ±Î¹ ÏÎ¿ ÎºÎ¬Î¸Îµ ÏÎ¿ ***path*** Î±ÏÎ¿ ÏÎ¿ quotes ÏÏÎ¿ directory Î¼Î¿Ï ÏÏÎµ Î½Î± ÎºÎ¿Ï¹ÏÎ¬Ï¹ ÏÎ·Î½ ÏÏÎ½ÎµÏÎ¹ÏÏÎ¿ÏÎ¿ Î¼Î¿Ï ÎºÎ±Î¹ ÏÏÎ·Î½ ÎºÎ¬Î¸Îµ img Î½Î± Î²ÏÎ¯ÎºÎµÏ¹ ÏÎ·Î½ ÏÏÎ½ÎµÏÎ¹ÏÏÎ¿ÏÎ¿ Î¼Î¿Ï.

![ÎÏÎ¹Î³Î¼Î¹ÏÏÏÎ¿ Î¿Î¸ÏÎ½Î·Ï (67)](https://user-images.githubusercontent.com/72518208/203041961-88b84d9f-ed56-4a61-915b-7ce4a8435ba8.png)

ÎÎ¹Î± Î½Î± Î¼ÏÎ¿ÏÎÎµÎ¹ ÎµÎºÏÏÏÎ¸ÎµÎ¯ Î²Î¹Î²Î»Î¯Î¿ Î¼Î¿Ï ÏÎ·Î½ Î±Î»Î»Î±Î³Î® ÏÎ¿Ï ÏÏÎ±Î³Î¼Î¹Î¼Î¿ÏÎ¿Î¹Î·Î¸Î¿ÏÎ¼Îµ Î½Î± ÏÎ¬ÏÎ¹ ÏÏÎ¿ Î±ÏÏÎ¿ÏÎ¼Îµ Î½Î± ÏÎ¿ÏÎ¿ÏÎ¿ÏÎ¼Îµ **make-latex.sh** Î°Î±Î¹ Î½Î± ÏÏÎ¿ÏÎ¸Î¿ÏÎ¼Îµ Î·Î½ ÎµÎ½Î¿ÏÎ¿Î® ‘pandoc --lua-filter= vyew.lua --to markdown‘

![234](https://user-images.githubusercontent.com/72518208/203044086-acbbbc2a-13f5-41c8-84cd-4231f6181551.png)

ÎÎ·Î¼Î¹Î¿ÏÎ³Î¯Î± ÏÎ²Î¹Î²Î»Î¯Î¿ pdf Î¼ÎÏÎ

ÎÎ¹Î± ÏÎ·Î½ ÎµÎºÏÏÏÏÎ· ÏÎ¿Ï Î²Î¹Î²Î»Î¯Î¿ ÏÎµ pdf Î´ÎµÎ½ Î±ÏÎ¿Î¿Î¹ÏÎµÎ¯ Î· ÎµÎ½ÏÎ¿Î® ‘./make-latex.sh‘ Î°Î±Î¸Î¯ Î´ÎµÎ½ Î±Î½Î±Î³Î½Ï¹ÏÎ¯Ï¹Î¶Îµ ÏÎ¿ ‘--pdf-engine=Xelatex‘ Î°Î±Î¹ Î¼Î¿Ï ÎÏ»ÎµÎ³Îµ ÏÏÏ ÎÏÏÎµÏÎ½Î± Î½Î± ÏÎ¿ ÎµÎ³Î°Î±ÏÎÎ®ÏÏ. ÎÏÎÎµÎ¾Î± ÏÎ·Î½ ÎµÎ½ÏÎ¿Î® ‘sudo pacman -S texlive-core‘ Î¬Î»Î»Î± Î°Î±Î¹ Î±ÏÏÎ®Î½ Î¼Î¿Ï ÎÎ²Î³Î±Î¶Î¿ Î°Î¬ÏÎ¿Î¹Î± errors. Î¤ÎµÎ»Î¯Î°Î± ÎÎ°Î±Î½Î± ÎÎ½Î±Î½ ÏÏÎ³ÏÎ¿Î¿Î¹Î½Ï¹ÏÏ Ï¼Î¿Ï ÏÎ¿ Î»Î¿Î³Î¹ÏÎ¼Î¹Î°Ï **Arch Linux** Î°Î±Î¹ Î°Î±ÏÎ±ÏÏÎ± Î½Î± ÏÎ¿ ÎµÎ°ÏÏÏÏÏ Î¼Î¿ ÎµÎ¼Ï¹ÏÏÎ¯Î±.

Î¤ÎÎ»Î¿Ï Î¼Îµ ÏÎ¹Ï ÎµÎ½ÏÎ¿Î»ÎÏ

‘git add .‘
 ‘git commit -m "update book"‘
 ‘git push origin‘

ÎµÎ½Î·Î¼ÎÏÏÏÎ± Î°Î±Î¹ ÏÎ¹Ï Î±Î»Î±Î³ÎÏ Î¼Î¿Ï ÏÏÎ¿ Î±ÏÎ¿Î¸Î¼ÏÎ®ÏÎ¹Î¿ **kallipos**