

Coupled Constraint Presets Cheat Sheet

a a fja a ... a a a ... a a fl 'data/coupled_constraint_presets.yaml' a «*āi çä* a a a fa ... a a _a ... a ,çra a 'a _i ... a ,z̄ a åtå çsa sa a a a tance»... a *Łs* äfø i... 'ratio_angle»... a ææ Ø i... 'softness_*»... a a a i... a a fa ä æ «a 'a fiseåta øsa nfi åta Ło Ł... a a a a

1. a a "a »a a äŁfſi... æct i...

```
| ID ('use_cases[]'.id') | ä»çØ | Ł• Ø çæ | Ł§ åfæ | æø Ø (Ł• Ø ç/Ł§ åf) | a a äæ (Ł• Ø ç/Ł§ åf) | ä»a "å Ł |
|-----|-----|-----|-----|-----|-----|
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| 'tele_yaw_control' | a a ... a Ł• Ø çï... a øa ... Ø £å | 1.00 | 0.40 | 0.014 / 0.028 | 38.0 N/m / 18.0 N•m/rad | 90°
Ł¶ a fiå äæ a fl 'max_correction' a 0.09 ä»¥ä a, a |
| 'cam_follow_adjust' | a «a å‰o ç, Ł£ æ | 0.48 | -0.32 | 0.018 / 0.024 | 24.0 / 12.0 | Ł¿‰å å.. i... index 1i... a §æç 0.55 /
-0.25 a Ł»åñi a |
| 'counterbalance_beam' | a «a f a #a å... a a'a #a „æ | 0.85 | -0.30 | 0.013 / 0.022 | 42.0 / 20.0 | Ł£ å'å.. i... index 1i... a
'max_drop=1' a §Ł "å a a,a a a #æ-; a "æ |
| 'docking_guide' | a a a ,a #a "æ | 0.72 | -0.25 | 0.020 / 0.034 | 30.0 / 14.0 | a „a a ... a ,æ a « 'target_offset'
a #æç a ææ a |
```

YAML a fia~~æ~~^ç "å^ä fl 'data/coupled_constraint_presets.yaml' a å çS^a a fa a a a a 'extra_equations' a
'staged_adjustments' a å a a i^a «^a «^a «^a a fa a ³⁴ a

2. a a 'a | a ... a ? a fiæå† a ðæx†fl å†

3. YAML ไฟล์ “a.yaml”

\bigskip

~~softmax^a ratio_a 0.3, softmax_b 0.5, softmax_c 0.012, softmax_d 0.025, softmax_e 0.040~~

```
\end{document}
```

- YAML a a Ł “å ç æ a a å å a fl a ä Ł a a f a a ... a a f i a a ... a a « Ł i a a , a fl a “a a i... Python + Jinja2 a “a i... a § a ç a « å a Ł %.
- Ø • a a „ a ¿ a ... a « a a Ø a fl ‘landscape’ a ‘portrait’ a « å æ a ‘p{mm}’ a fi å a ç fiç a « å a a a f Ł “¿ æ a f a a a a a

5.3 Ø ç¤ª iª ¢

- PDF à «åæ a a a a ja/a «a fl 'docs/media/coupled/' a a a a a flçå a „ a a a „ a „ a „ fi '/posters/' a «ä å a a Wiki a fia fia/a a fia "a †a fia a
- åå•æ a fiaçå „ a „ fi/a "i... A3i... a 'a †a a „ a _a ... a i... a A4 a §å•å•a a å·å a fia a 'a †a a „ fi/a "10å 11pt çfiaçå a

5.4 æ/a a a a _a ... a , a ~~æ~~ ... a , a °

| çfiç | ~~a~~^{aa}~~aa~~^{aa} a a _a ... a , |

|-----|-----|

| Pandoc [æ‰‰](https://github.com/jgm/pandoc/releases) | <<https://github.com/jgm/pandoc/releases>> a a a a/a a “a æ‰ a % a fl ‘apt-get install pandoc’ |

| LaTeX ^a ~~aa~~ ~~aa~~^a, ^a ~~a~~ | TeX Live ('texlive-full' or 'texlive-latex-extra'), MiKTeX, ^a ~~a~~ ^a ~~a~~ ^a ~~a~~ fl 'tectonic' |

| a a 'a †a | Noto Sans CJK / Yu Gothic / Hiragino a "a 'a ææL" ãlãj a a 'a †a |

a,a...a «^c_oat a Sa fl 'pip install pandoc' a ^L_f^L_i a a a a fia fia PyPI a «^A₁³₄ a a a _a ... a, a à åra a "a a a ~~ä~~^æ_æ a ³₄ a a a ;a ~~ä~~^æ

```
$ pip install pandoc
```

Defaulting to user installation because normal site-packages is not writeable

WARNING: Retrying ... Failed to establish a new connection: [Errno -2] Name or service not known

3

ERROR: Could not find a version that satisfies the requirement pandoc (from versions: none)

ERROR: No matching distribution found for pandoc

```
sudo apt-get update
```

```
sudo apt-get install pandoc texlive-latex-extra texlive-fonts-recommended
```

5.5 PDF å æØ a fiå ç»å a [a/a](#)

å Ø æL tå a a «æ‰ø å ç»i... a a a a fl GfF... a Ø tç»a a å·å a flä»¥ä a åL a «a a f a a a a

1. a,a £ a a a £ç°å

2. Ø ŋ»æø i... a½ OBS!...

- a %o a ... a a «a ç» Ø ç a , a £ a a £ a a § a fia a fa £ a f a , a £ a a a £ a a § a ¿ a ... a a a «a æfí a
- Ø tç» Ø § a 'pandoc ... ' a f a a f a a fí L i a ç æ a a a PDF a a a a j a , a ' a ... a § Ø a æ a a æ a a
- Ø tç» å æ æ å 'ffmpeg' a § GIF a , å æ a a å · å :

“bash

```
ffmpeg -i pandoc_demo.mp4 -vf "fps=12,scale=1280:-1:flags=lanczos" pandoc_demo.gif
```

666

3. \emptyset a a a , a a

4 å<Ø a »ä: cf:

- ðí æ a MP4/GIF a fl 'docs/media/coupled/pandoc_workflow.{mp4,gif}' a, ðí å a a a å Lf a «å a a f GitHub Pages a çå Wiki a a a a a

- a a i a / a « a μ a / a " a

- Ø tçä a «a a a + a a a a a a a a å·å a fl a a ï... a a a a «a Ø çfið i... 100%ï... a «a a 'scale=960:-1' a m a a f a ææ a „ a _ a ... a «a §