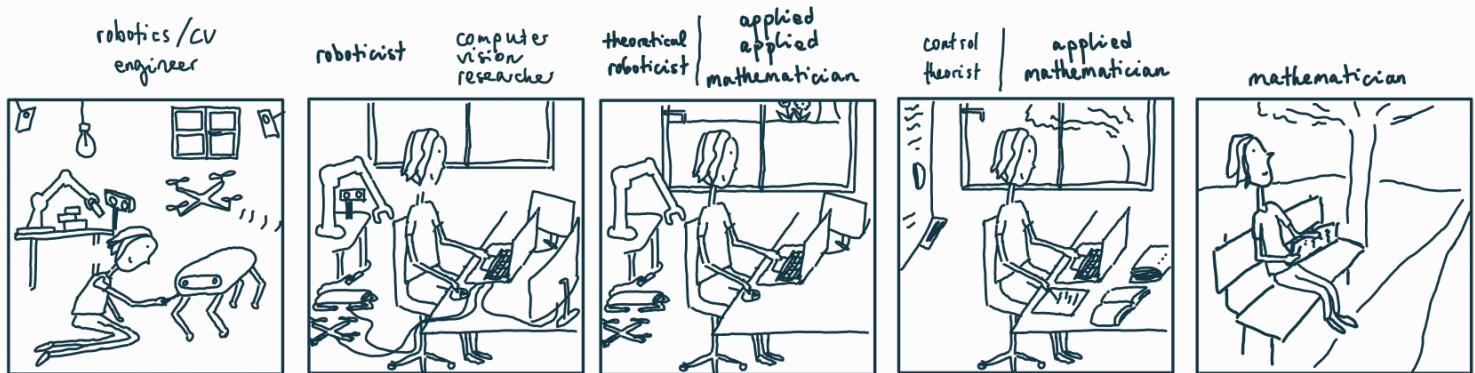


The "roboticist's" spectrum

mark where you feel at home!



reads papers...

what papers?

on screen n°1
out of 3.

doesn't read,
clones GitHub repo

as a pretext to
not having to code

printed out
at the desk.

on a bench in
the park.

likes papers...

with executable
code that works
out of the box.

not so
much.

only on
arXiv;
published
= outdated

with an "algorithm"
box, and proofs in
appendix one never
has to look at

with convergence
rates, no matter how
loose.

written in infinite-dimensional
spaces and applicable to
literally everything, relying heavily
on some French dudes theory from
the 60ies.

builds ...

stuff that works
(possibly using duct
tape & glue gun)

incredibly
complicated
solutions to
seemingly simple
problems

SOTA
systems
only!

tools for other
people to build
stuff that works

theories for other
people to build
tools.

a growing body of
knowledge to understand the
universe.

likes robots ...

turned on and
moving!

only if they
come with
an engineer

only if they
come with
a calibrated
camera

turned off or
simulated.

mentioned in
future work.

what robots?

likes coding ...

to be someone
else's problem

in C++ using heavy
terminal multiplexing
and docker.

for data
loaders

in python — only
caring about big-O
complexity.

in Matlab,
jupyter notebooks,
or julia

for custom commands
in LaTeX.

likes sunlight ...

to be blocked so
it doesn't mess with
the infrared mocap.

for nice-
looking robot
demo videos

always to
be exactly
the same

less than the 3 screens
— put down the shades
please!

to lighten up the
desk — put those
shades up, please!

to warm up one's face
while in deep thought on
a bench in the park.

hates ...

unstable university WiFi
messing up communication
with robots.

reviewers
asking why
if it really
works

not being
able to
reproduce
benchmarks

reviewers asking for
experiments on real robots.

pragmatic solutions
that magically work.

bold vector notation,
finite-dimensional things

thinks indexing...

is someone else's
problem.
(see below)

is for people who
don't know about
automatic broadcasting

needs at
least 6 letters:
i, j, k, u, v, t, ...
dataset batch

must start
at zero

must start
at one

is sometimes an ugly
necessity

if code is broken...

turns to
roboticist /
CV researcher

starts from scratch
this time
the code will be
finally good.

clones a
different
GitHub repo

freaks out for
2 days, scared
the theory is broken,
until finding an index error.

thinks it must
be cosmic interference

buys a new
laptop