

5th Control Systems Edition Engineering Solutions Manual

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Anatomy of Clutch

How does it work

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Timber HP

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Intro

Draining the system

Nasty CPU Block

Cleaning the CPU Blocks

Acrylic Top

Toothbrush go BRRRR

GPU

Putting the block back together

Bad news

Laifen Wave

Pump

Replacing thermal goop

Water Cooling talk

New Challenge Appears

Radiators

Tubes

Results!

Outro

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Intro

Older-style Electricity Meters

Smart meters

Solar and battery system

Manufacturer benefits

Consumer benefits

The downsides

Third party access

Disconnecting from the Internet?

Summary

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work life balance, Alex

tt-smi, temperature

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smoke test

buda

cloud is a scam, selling cards

import error

this is why tinygrad is going win

nix

docker, no dependencies

nvidia value, cuda

reproducible builds, getting rid of complexity, it just works

import error

the complexity

redis great software

missing jemalloc

key error BACKEND_ARCH_NAME

mysql, sqlite

docker encouragees

exploring tt-metal

PEP8, bad programmers, details

downloading multiple gigabytes

translating github comments

tt-buda

stop writing code like this

if you thought AMD is bad try tenstorrent card

tt-smi reset options, reset file, reset json

this is the opposite of how you do complexity

ordering food, folding phone

tt-metal
start saying what it is
HSA fail, making everything generic
tt_lib, tt_eager
py-buda, luwen
installing egg
tensor bob
devin
reading docs
pysistent
Jim stop, nobody wants 50% PyTorch
be proud of what the chip is and expose the chip for what it is
tllib docs, chip info
no real company is going to buy this card, dojo, inference price per dollar
tinygrad in for 10 years
PyTorch trigger
what this is?
grayskull e150 number of cores
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not trusting C
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