

2012-10-23

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1) Solar/wind power Generation

- Executive summary

Tracking
System health

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② * PCB Board

* System Diagram Slide # 2

③ Simulation

* IR - out energy (efficiency)

"Stop" Current

④ Solar panel

Multiple diagram

* Power flow (Current)

o 2 x 10 Watt panel

* Control Signal

~~2 x 10 W~~

* Stages

* Secondary load

10 Watt panel x 2

Driver

* Resistor

* Hierarchical ~ Diagrams

Solar Tracking Mechanism

o 12-50V DC

o 2 motor control

o Uses L298D

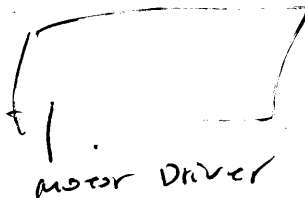
o Digital input

* Tracking Actuators

12-38 VDC

* Teensy 2.0

Inputs



* Spec.

Units

Data Acquisition

811, 396



Meaning

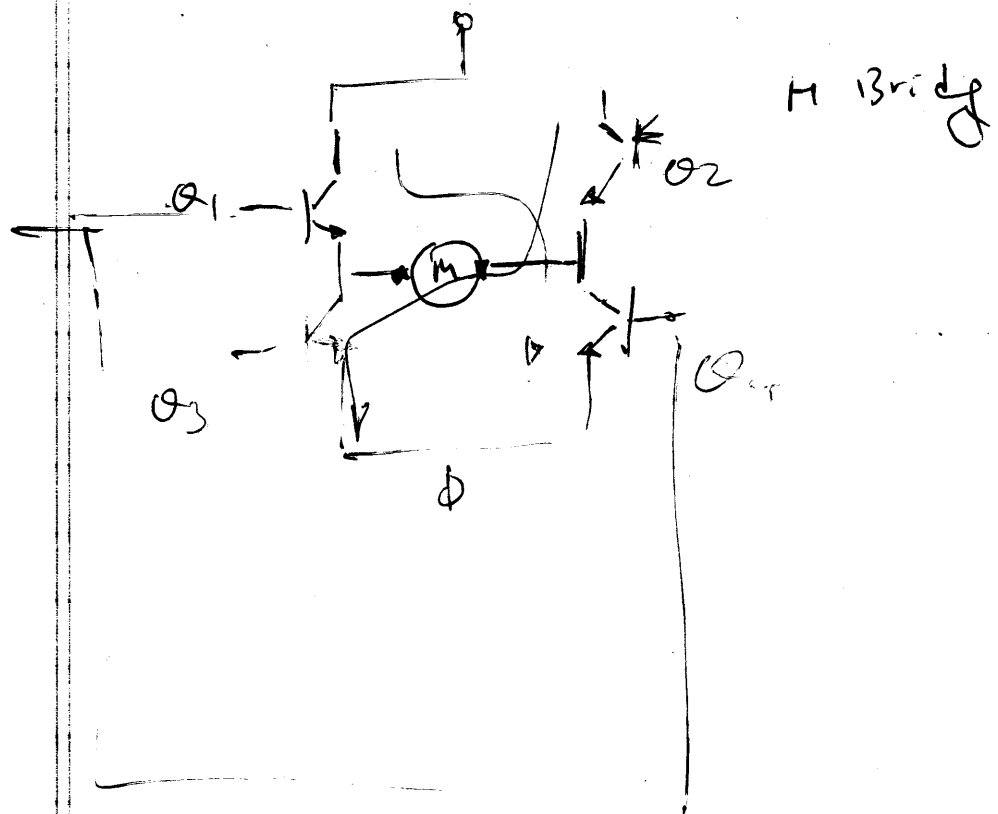
A Formula

1023 — (5V)

Make more
Functions

(2)

3



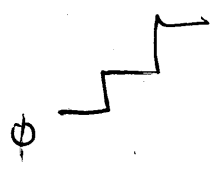
Q_2, Q_3

1023 — 5V

$$2^8 = 256$$

$$2^9 = 512$$

$$2^{10} = 1024$$



$$5V = 1023$$

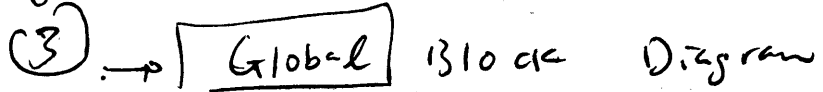
$$\Rightarrow \frac{\text{Resolution}}{5V} = \frac{5V}{1023}$$

811. x ←

MIDI Control

VCA - Breadboard

VCF page



1300

(4) → arrays system

Flow chart

(5)



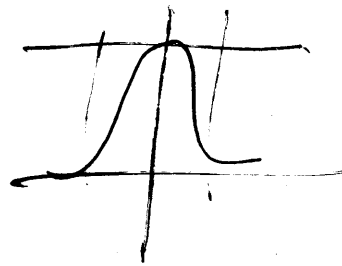
(6) Signal path Flow chart

(7)

(8) Filter (Band pass)

1st order

2nd



(9)

(10)

(11)

part organization

