

Record

Alternator

It's old heavy used

Size

Easy to design

Regulator

Generator For testing:

1. Field current Full voltage(internal voltage) Speed(microcontroller)

2. Test E_a I_f

3. Very low frequency Low Hz 10 cycles

4. circuit 2 different load points speed(two equations)

5. Track frequency

6. To start(low frequency) bring it to up

Design Review:

1. what problem do you find? Motor Microcontroller
2. simulation

some drivers PWM

How to put stuff(memory timer etc)

Controller PI controller for speed Torque controller

Find what I can restart

Testing microcontroller

1. signals input system gives speed or torque
2. PWM changes frequency
3. Mcu testing/ID for design review other testings
4. getting data

synchronous machine

what do u want to do (drive design PWM)

1. One machine(speed)
2. Torque zero speed (shift)
3. BWM whatever speed want
4. DC machine ---open the circuit
5. Induction machine
6. Speed---feedback