# Modeling a DC servo motor:

To model is this --- Diagram

Description automatically generated

Convert electrical to mechanical effects .

Use matlab command ssc\_new command to open Simulink to open model :

1. DC voltage source set to 5 v
2. Next is resistor
3. Now electro rotation electro mechanical converter
4. An inductor
5. Then ground it
6. Then set it to solver configuration

The dc servo simscape model :

Diagram, timeline

Description automatically generated

Observations on building a servo model :

Chart

Description automatically generated

Output settles on around 10 to 15 deg on a voltage of 5v

So thus here we built a DC servo motor .

Chart

Description automatically generated