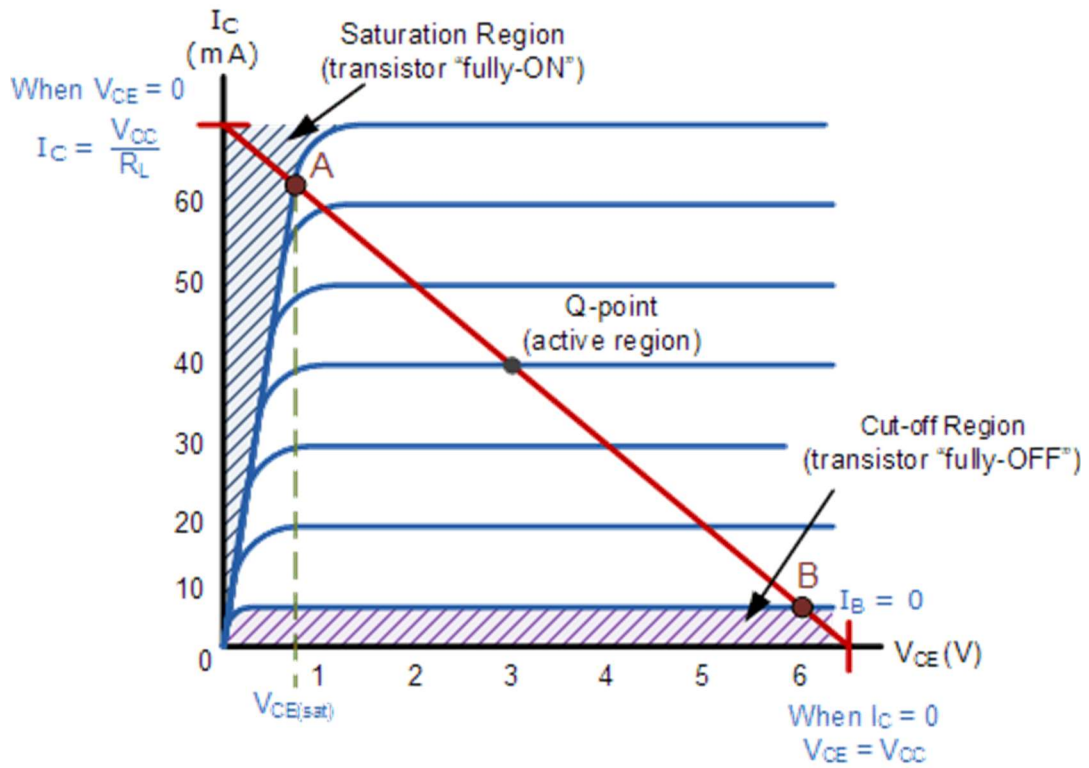
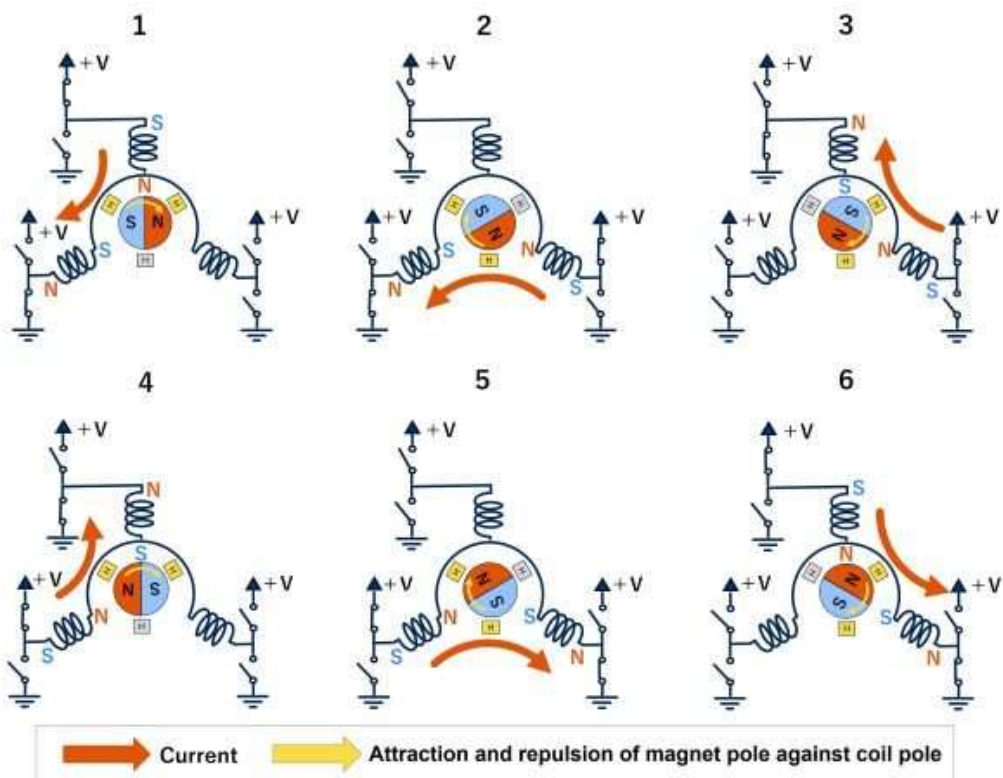
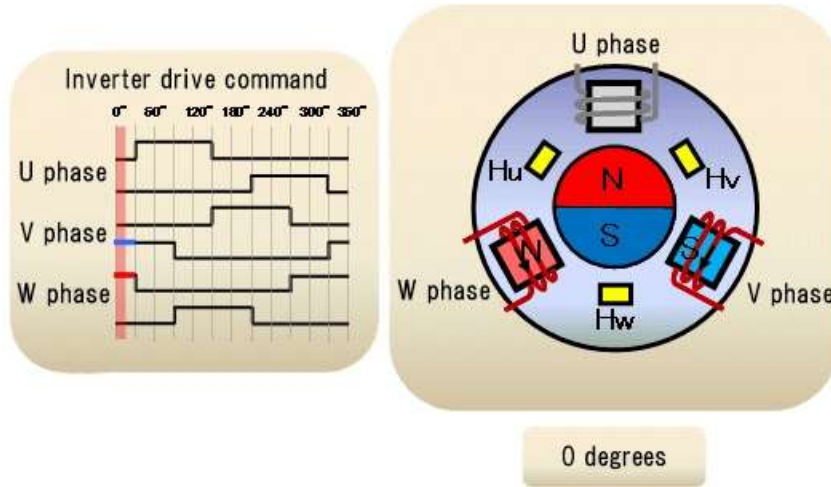


Output Characteristic Curve

Circuit Globe





The following conclusions can be made regarding the working of stepper motor:

1. The stepper motor may be started and synchronized, stop or reverse its direction of rotation in the start range only
2. The motor may not be started and synchronized, stop or reverse its direction of rotation in the slew range
3. The stepper motor must be started in the starting region and then the pulse rate must be increased to bring it to slew region
4. The load follows the pulse rate upto the pull-out torque in the slew region.
5. The stepper motor starts to miss the steps for more than this pulse rate and the motor may get out of synchronism.
6. The maximum torque point denotes the maximum holding torque of the excited motor for a standstill load.