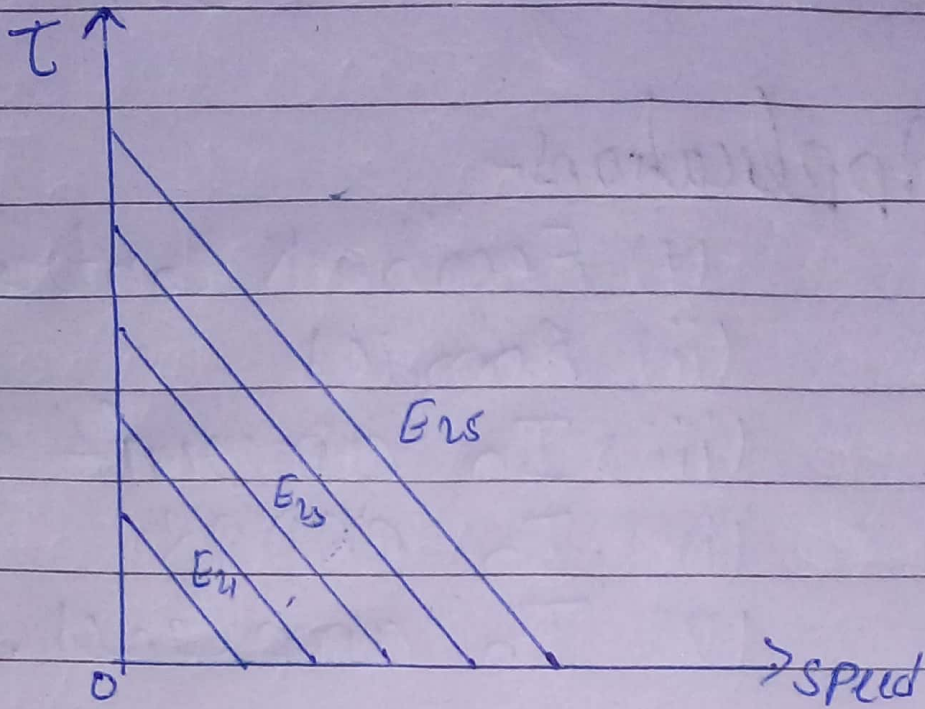


## Torque - speed characteristics -



$$E_{25} > E_{24} > E_{23} > E_{22} > E_{21}$$

A high rotor resistance ensures a negative slope for good stability. A servo servomotor rotates only when a detectable error occurs at low voltage. Hence torque-speed characteristic is ~~not~~ linear.

## Features of AC servomotors-

- (i) Light in weight
- (ii) Reliable
- (iii) Smooth & noise free
- (iv) No brushes or slip ring required
- (v) Large torque & large resistance
- (vi) Simple to design
- (vii) Negative slope of T-Ns char?

## Applications-

- (i) Feedback control system
- (ii) Robotics
- (iii) In aircraft & spacecraft
- (iv) In RADAR
- (v) In airplanes.