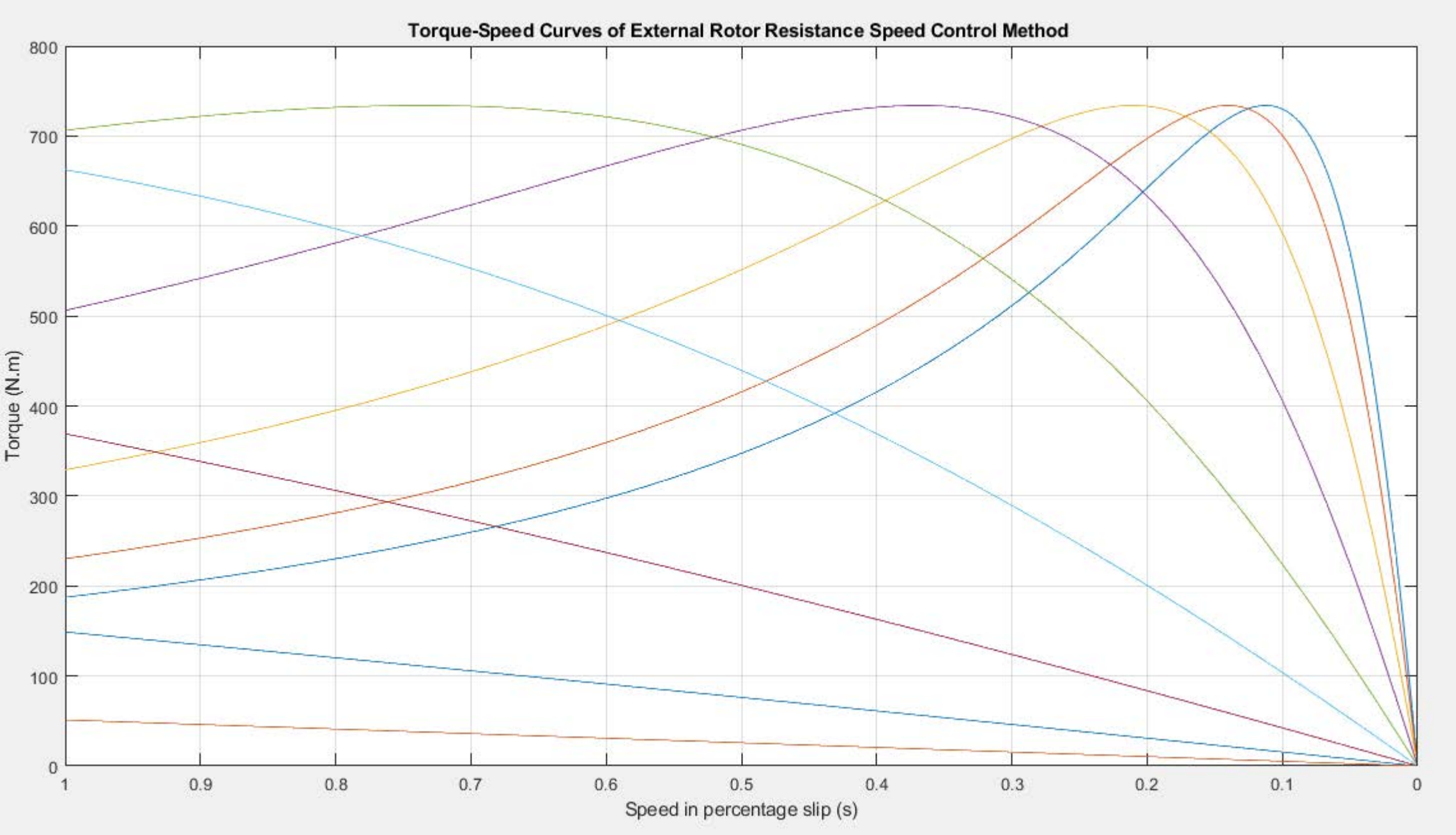
RUN Log


```
>> Wound_Rotor
Please! Enter the following information about the machine reffered to stator:

The rated frequency in Hz:
 50
The rated stator line voltage in Volts:
 400
Select the connection type:
Enter 1 for star type, or
Enter 2 for delta type.
 2
The number of poles:
 4
Stator resistance per phase in Ohms:
 0.35
Rotor resistance per phase in Ohms:
 0.18
Stator reactance per phase in Ohms:
 0.9
Rotor reactance per phase in Ohms:
 0.7
Magnetization reactance per phase in Ohms:
 25
Core resistance per phase in Ohms:
 230
Enter the variable-resistor nominal step in per-unit Ohms/step:
(Ex. enter the value "0.1" p.u Ohms/step given rated rotor resistance at 1 p.u)Please↙
note that the program draws a plot per each step in the range
0.25
Enter the maximum range of the external variable-resistor in p.u rated:
For example, enter "5" for a max. range equal 5 times the rated rotor resistance.
2
>>
```


Torque-Speed Curves of External Rotor Resistance Speed Control Method
Torque (N.m)
Speed in percentage slip (s)
800
700
600
500
400
300
200
100
0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

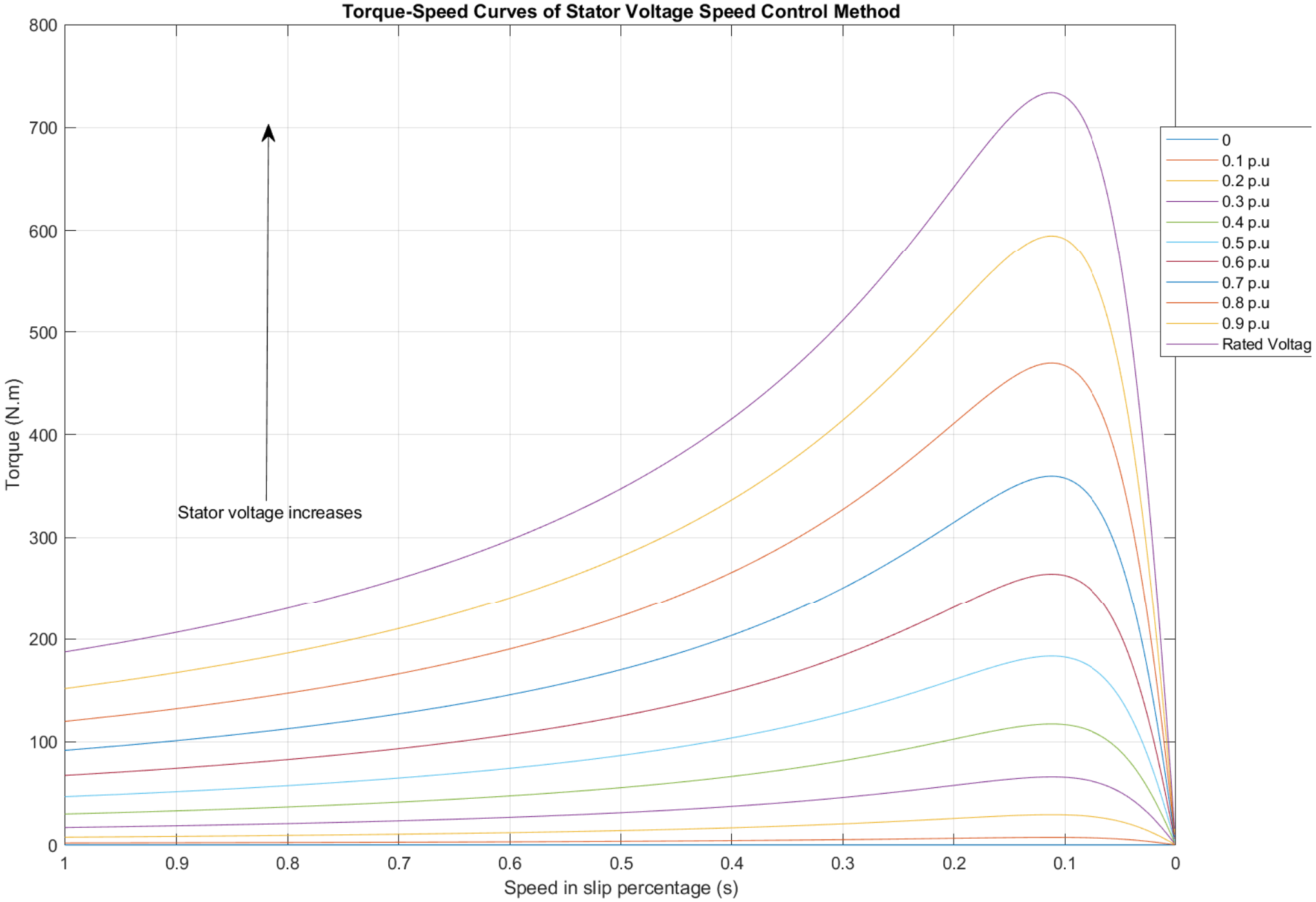
Log of Variable Voltage Control

```
>> Squirrel_Cage
Please! Enter the following information about the machine reffered to stator:

The rated frequency in Hz:
 50
The rated stator line voltage in Volts:
 400
Select the connection type:
Enter 1 for star type, or
Enter 2 for delta type.
 2
The number of poles:
 4
Stator resistance per phase in Ohms:
 0.35
Rotor resistance per phase in Ohms:
 0.18
Stator reactance per phase in Ohms:
 0.9
Rotor reactance per phase in Ohms:
 0.7
Magnetization reactance per phase in Ohms:
 25
Core resistance per phase in Ohms:
 230

Select which case to plot:
Enter 1 for Case A)Variable voltage, constant frequency supply.
Enter 2 for Case B)Constant voltage, variable frequency supply.
Enter 3 for Case C)Variable voltage, variable frequency supply (V/F control).
1
Enter the voltage controller nominal step in per-unit volt/step:
(Ex. enter the value "0.1" p.u volt/step given rated voltage at 1 p.u)Please note ↙
that the program draws a plot per each voltage step
0.1

                                                                                ↙
```


Torque-Speed Curves of Stator Voltage Speed Control Method
Torque (N.m)
Speed in slip percentage (s)
Stator voltage increases
800
700
600
500
400
300
200
100
0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
0.1 p.u
0.2 p.u
0.3 p.u
0.4 p.u
0.5 p.u
0.6 p.u
0.7 p.u
0.8 p.u
0.9 p.u
Rated Voltag