

Mechanical-to-Electrical Energy Conversion

9. Variable Speed Electric Generators

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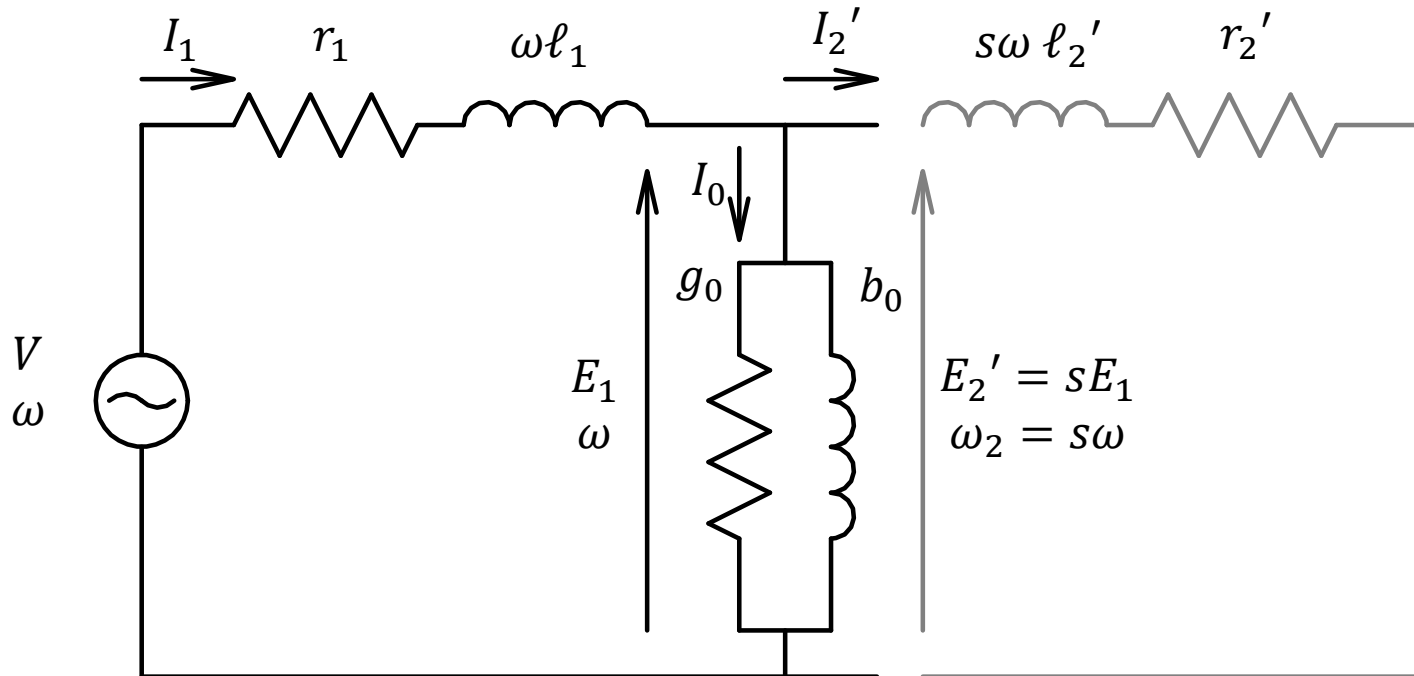
Contents of Today

1. Fundamental Principle of Induction Machines
2. Basic Characteristics of Induction Machines
3. Variable Speed Performance of Induction Machines

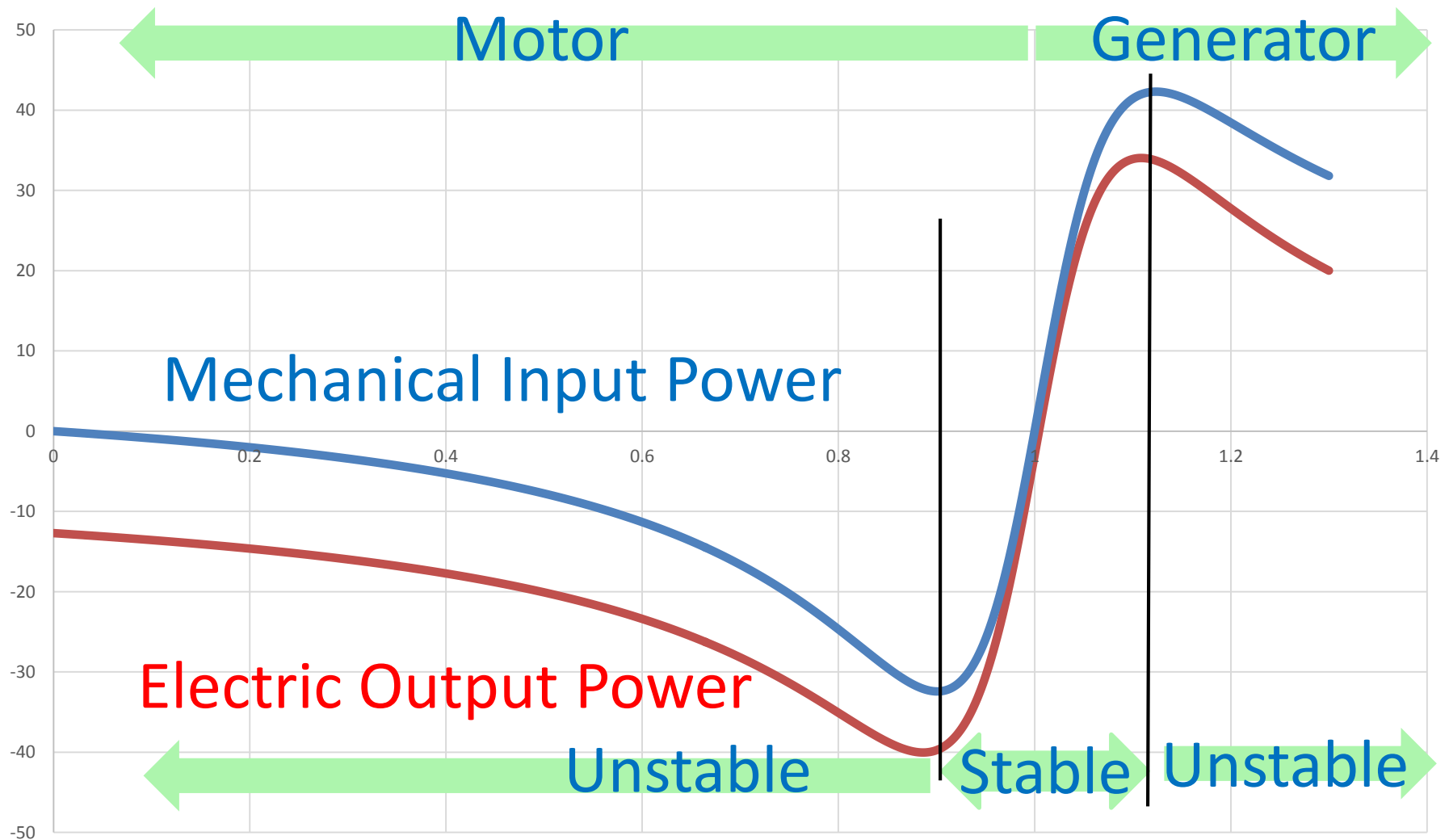


Equivalent Circuit

- When $\omega_m \neq 0$:
It is required to consider the amplitude and frequency of the secondary EMF, E_2' .



Power vs velocity



To be Continued in the Lecture.....

