

EE303 — Energy Systems and Power Electronics

Lecture 3. Three-phase circuit analysis

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Today's objectives

- RECALL** basics of complex numbers
- DESCRIBE** a phasor
- EXPLAIN** the difference between phasors and time-domain quantities
- COMPREHEND** why/when phasors are useful
- DEMONSTRATE** KVL/KCL using phasors
- DISCUSS** the notation that we will use throughout this class
- COMPUTE** impedance of circuit elements

Gustav Robert Kirchhoff



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