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Differences between synchronous machines with direct and quadrature axis excitation system and asynchronized synchronous machines.

The classification and the differences of synchronous machines with direct and quadrature axis excitation system and asynchronized synchronous machines, as well as the results of the modeling of synchronous machines with direct and quadrature axis excitation system are given.

Key words: direct and quadrature axis excitation system, control quadrature winding, automatic field regulator of synchronous and asynchronized machines.

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