# DISCUSSION ABOUT THE ELECTRICITY MARKET EQUILIBRIUM

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**Abstract:** The Nash equilibrium and competitive equilibrium are respectively studied in electricity market. The Nash equilibrium with Cournot and supply function modeling and competitive equilibrium are constructed by describing the math models of electricity market system in this paper. It is indicated, that surplus and unfair distributions in electricity market are introduced by Nash equilibrium modeling and the competitive degree is reduced by competitive equilibrium modeling due to the accounting pricing method as all equilibriums can be achieved in electric electricity market.

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