

A Model of Preventing Global Financial Crisis: Gauss Law Model Proposal Used in Electrical Field Calculations

Authors : Arzu K. Kamberli

Abstract : This article examines the relationship between economics and physics, starting with Adam Smith, with a new econophysics approach in Economics-Physics with the Gauss Law model proposal using for the Electric Field calculation, which will allow us to anticipate the Global Financial Crisis. For this purpose, the similarities between the Gauss Law using the electric field calculations and the global financial crisis have been explained on the formula, and a model has been suggested to predict the risks of the financial systems from the electricity field calculations. Thus, this study is expected to help for preventing the Global Financial Crisis with the contribution of the science of economics and physics from the aspect of econophysics.

Keywords : econophysics, electric field, financial system, Gauss law, global financial crisis

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