

International Journal of Economics and Financial Issues 2016 vol.6 N8Special Issue, pages 280-287

Mechanisms of coordinated distribution of the effect from export/import transactions

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Abstract

© 2016, Econjournals. All rights reserved. Economic mathematical model for coordinating economic interests of the regions (companies) and state budgets within the system of export/import transactions is developed. Nash equilibrium mechanisms for hierarchical and nonhierarchical coordination of effect distribution and mechanism of comprehensive coordination of export/import indicators are presented. The author has developed a two-sector model of export/import transactions and the optimal mechanisms for it. There has been carried out a simulation of coordination mechanisms for crude oil (Russia) and oil extraction equipment (Germany).

Keywords

Coordination model, Effect distribution mechanism, Export, Hierarchical system, Import, Nash equilibrium, Nonhierarchical system