Electronic Journal: Southwest Journal of Pure and Applied Mathematics
Internet: http://rattler.cameron.edu/swjpam.html
ISSN 1083-0464
Issue 1, July 2003, pp. 73–81.
Submitted: November 11, 2002. Published: July 1 2003.

INTERNATIONAL FISHING AS PARTIALLY COOPERATIVE GAME

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Abstract. A game theoretical model of international fishing is introduced under partial cooperation of the countries involved. The interior equilibrium is determined and it is shown that both increasing cooperation levels and smaller available fish stock have decreasing effects on the total fish harvest. A dynamic system model is developed for the dynamic behavior of the fish stock.

A.M.S. (MOS) Subject Classification Codes. 91-99.

Key Words and Phrases. Partial cooperation, equilibrium, international fishing, dynamic system.

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