
7 YEARS LATER: ON EXCHANGE MEDIUM AND SPECULATION

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PREFACE

When I wrote "[On Exchange Medium and Speculation](#)" in 2011 I completely expected to be further along in its implementation, of what now has been dubbed CxC.exchange, then we are today. There have been some positive developments on the road, John C. McAdams, PhD described the work as "... if demonstrated [On Exchange Medium and Speculation] would represent a greater achievement than Nash-Equilibrium." John F. Nash, Jr. read the document and gave a meaningful reply hinting on where to go next which resulted in "[Economic Circuitry](#)." However, to this day it remains a controversial (understatement) paper not only due its content but also its structure. This paper will attempt to fix both issues.

ABSTRACT

The overarching premise of this paper is that humans naturally attempt to increase their "score" with relative to the marketplace and when common methodology for keeping "score" is removed humans, instead of engaging in speculative behavior, will primarily optimize their trading preferences against their own set of pure strategies instead of a mixed-marketplace strategy thus eliminating cancerous speculative behavior.

DEFINITIONS

RESUSUS

'Resusus' is a literal combination of 'goods' and 'services' in Latin and shorthand the concept of "A good or service" since there does not seem to be established nomenclature for this concept in Economics, or even the English language.

$$Resusus : r \text{ Receive} = r' \text{ Request} = r^\circ | r' \not\subseteq r^\circ$$

ACTOR

An actor is an entity (insert Gödel here) on the marketplace that

$$Actor : a$$

$$Strategy_a = \mathcal{S}_a = \mathfrak{R}'|a \rightarrow \mathfrak{R}^\circ|a = \begin{matrix} y \in \forall r^\circ|a \\ \times \\ x \in \forall r'|a \end{matrix} \{x, y, t_{xy}|a\}$$

UTILITY

$$Utility_r|a = \{Real : r, Imaginary : i\} = u_r|a$$