

# Report on Bachelor / Master Thesis

Institute of Economic Studies, Faculty of Social Sciences, Charles University in Prague

<b>Student:</b>	<b>Bořivoj Vlk</b>
<b>Advisor:</b>	<b>Phdr. Ing. Jiří Skuhrovec</b>
<b>Title of the thesis:</b>	<b>Agent-based modeling of dual currency economy</b>

## **OVERALL ASSESSMENT** (provided in English, Czech, or Slovak):

The thesis builds on well established Kyotaki-Wright framework and extends it using agent-based modeling approach to loosen some of its properties. This allows author to reach several interesting conclusion on equilibria stability in dual-currency economies. If it were more thoroughly described and further elaborated, the topic might be well publishable in monetary economics field with interpretation touching issues of

My only major objection would be to the form and consistency of the thesis. Some variables and terms are used differently across different chapters, making the thesis quite hard to understand. Some technical issues (such as classifier notation) are explained to unnecessarily high technical detail whereas process of their choice (and evolution through genetic algorithms) is defined quite vaguely.

Overall I appreciate appropriate use of mathematical and programming apparatus to extend one of current topics in monetary economics. Despite formal flaws of the thesis I propose to rate it as **excellent** with consideration of distinction.

## **SUMMARY OF POINTS AWARDED** (for details, see below):

<b>CATEGORY</b>	<b>POINTS</b>
<i>Literature</i> (max. 20 points)	20
<i>Methods</i> (max. 30 points)	30
<i>Contribution</i> (max. 30 points)	30
<i>Manuscript Form</i> (max. 20 points)	10

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TOTAL POINTS	(max. 100 points)	90
GRADE	(1 – 2 – 3 – 4)	1

**NAME OF THE REFEREE:** Jiří Skuhrovec

**DATE OF EVALUATION:** 10.6.2015



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**Referee Signature**

**EXPLANATION OF CATEGORIES AND SCALE:**

**LITERATURE REVIEW:** *The thesis demonstrates author's full understanding and command of recent literature. The author quotes relevant literature in a proper way.*

Strong                  Average                  Weak  
20                          10                          0

**METHODS:** *The tools used are relevant to the research question being investigated, and adequate to the author's level of studies. The thesis topic is comprehensively analyzed.*

Strong                  Average                  Weak  
30                          15                          0

**CONTRIBUTION:** *The author presents original ideas on the topic demonstrating critical thinking and ability to draw conclusions based on the knowledge of relevant theory and empirics. There is a distinct value added of the thesis.*

Strong                  Average                  Weak  
30                          15                          0

**MANUSCRIPT FORM:** *The thesis is well structured. The student uses appropriate language and style, including academic format for graphs and tables. The text effectively refers to graphs and tables and disposes with a complete bibliography.*

Strong                  Average                  Weak  
20                          10                          0

**Overall grading:**

TOTAL POINTS	GRADE		
81 – 100	<b>1</b>	= excellent	= výborně
61 – 80	<b>2</b>	= good	= velmi dobře
41 – 60	<b>3</b>	= satisfactory	= dobře
0 – 40	<b>4</b>	= fail	= nedoporučuji k obhajobě