Report on Master Thesis

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

Student:	**Andrej Zubal**
Advisor:	**Jozef Barunik**
Title of the thesis:	**Application of band spectrum regression in economic problems**

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

The main aim of the work is to study the frequency dependent relationship in some important economic problems using the frequency based least squares methods. While frequency domain estimators have been proposed in 1960's, their time domain counterparts become popular by econometricians in successive years. During the recent years, there has been a large surge of research using the frequency domain as a natural place for studying economic problems. The work of Andrej fits into this surge, as he uses recently developed methodology for estimating frequency dependent relationship using wavelets to revisit three important issues in economic research. These applications show rich dynamics in frequencies; hence the research presented in this thesis is original and contributive.

During the course of the research, we have discussed closely the issues, as the topic is not covered by any course at IES, hence more demanding to understand for our Master student. Andrej has incorporated all the issues into the text, and I have no other comments to the defence.

In conclusion, I believe the work is an original application of modern econometric tools, which is done rigorously enough to guarantee author grade 1.

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

CATEGORY		**POINTS**
Literature	*(max. 20 points)*	20
Methods	*(max. 30 points)*	30
Contribution	*(max. 30 points)*	30
Manuscript Form	*(max. 20 points)*	18
TOTAL POINTS	*(max. 100 points)*	**98**
GRADE	**(1 – 2 – 3 – 4)**	**1**

NAME OF THE REFEREE: Jozef Barunik

DATE OF EVALUATION: 28.5.2015

Barunik

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Referee Signature