

# Šárka Stejskalová

## Personal data and contact information:

Name: Šárka Stejskalová  
Date of birth: 11.9.1990  
Place of birth: Czech Republic  
Citizenship: Czech Republic  
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## Education

2014 – Present day: PhD in Logic, Charles University, Faculty of Arts,  
Supervisor: R. Honzik,  
Thesis: Combinatorial properties of cardinals and the continuum function  
2012–2014: Mgr. in Logic (with honors), Charles University, Faculty of Arts,  
Supervisor: R. Honzik,  
Thesis: The tree property at more cardinals  
2009–2012: Bc. in Logic (with honors), Charles University, Faculty of Arts,  
Supervisor: R. Honzik,  
Thesis: The continuum function on singular cardinals

## Grants and research visits:

May and June 2015: Research visit at the Kurt Gödel Research Center (KGRC),  
financed by AKTION grant  
2014 - Present day: Member of joint FWF/GACR research grant  
no I 1921-N25, *The continuum, forcing, and large cardinals*. (2015-2017)

## Research interests

My main research interests are combinatorial properties of cardinals and their relation to the continuum function. In particular, what are the restrictions on the continuum function imposed by the tree property.

## Research Publications

1. A survey of special Aronszajn trees (with R. Honzik), *Miscellanea Logica, Acta Univ. Car.*, volume X, pp. 73-91, 2015.
2. The tree property at the double successor of a singular cardinal with a larger gap (with Sy D. Friedman and R. Honzik), submitted.
3. The tree property and the continuum function below  $\aleph_\omega$  (with R. Honzik), submitted.
4. Grigorieff forcing and the tree property, submitted.

### **Talks at selected international conferences**

- Logic Colloquim, Leeds 31.7. - 6.8.2016. Contributed talk “The tree property and the continuum function below  $\aleph_\omega$ ”, 2.8.2016.
- Colloquim Logicum, Hamburg 10.9. - 12.9.2016. Contributed talk “The tree property and the continuum function”, 12.9.2016.
- Prague-Vienna Set Theory Workshop 17.10.-19.10.2016, organized by Mathematical Institute AVCR, Prague. Contributed talk “The tree property below  $\aleph_\omega$ ”, 18.10.2016.

### **Awards**

- A special stipend for exceptional study results in Ph.D. 2 year.