

Insert here your thesis' task.





**FACULTY  
OF INFORMATION  
TECHNOLOGY  
CTU IN PRAGUE**

Master's thesis

# **Transfer Learning in Astronomical Spectroscopy**

*Bc. Ondřej Podsztavek*

Department of Applied Mathematics

Supervisor: Petr Škoda

January 15, 2019



---

## Acknowledgements

TODO



---

## Declaration

I hereby declare that the presented thesis is my own work and that I have cited all sources of information in accordance with the Guideline for adhering to ethical principles when elaborating an academic final thesis.

I acknowledge that my thesis is subject to the rights and obligations stipulated by the Act No. 121/2000 Coll., the Copyright Act, as amended. In accordance with Article 46(6) of the Act, I hereby grant a nonexclusive authorization (license) to utilize this thesis, including any and all computer programs incorporated therein or attached thereto and all corresponding documentation (hereinafter collectively referred to as the “Work”), to any and all persons that wish to utilize the Work. Such persons are entitled to use the Work for non-profit purposes only, in any way that does not detract from its value. This authorization is not limited in terms of time, location and quantity.

In Prague on January 15, 2019

.....

Czech Technical University in Prague

Faculty of Information Technology

© 2019 Ondřej Podsztavek. All rights reserved.

*This thesis is school work as defined by Copyright Act of the Czech Republic. It has been submitted at Czech Technical University in Prague, Faculty of Information Technology. The thesis is protected by the Copyright Act and its usage without author's permission is prohibited (with exceptions defined by the Copyright Act).*

### **Citation of this thesis**

Podsztavek, Ondřej. *Transfer Learning in Astronomical Spectroscopy*. Master's thesis. Czech Technical University in Prague, Faculty of Information Technology, 2019.



---

# Abstrakt

TODO

**Klíčová slova** TODO

---

# Abstract

TODO

**Keywords** TODO



---

# Contents

<b>Introduction</b>	<b>1</b>
<b>1 State-of-the-art</b>	<b>3</b>
<b>2 Analysis and design</b>	<b>5</b>
<b>3 Realisation</b>	<b>7</b>
<b>Conclusion</b>	<b>9</b>
<b>Bibliography</b>	<b>11</b>
<b>A Acronyms</b>	<b>13</b>
<b>B Contents of Enclosed CD</b>	<b>15</b>



---

## List of Figures



---

# Introduction





# State-of-the-art

[1]



# **Analysis and design**



# Realisation



---

## Conclusion





---

# Bibliography

- [1] Goodfellow, I.; Bengio, Y.; et al. *Deep Learning*. Cambridge, MA: MIT Press, 2016, ISBN 978-0262035613, <http://www.deeplearningbook.org>.



## Acronyms

**LAMOST** Large Sky Area Multi-Object Fiber Spectroscopis Telescope



---

## Contents of Enclosed CD

	README.md.....	the file with CD contents description
	src.....	the directory of source codes
	latex.....	the directory of L <sup>A</sup> T <sub>E</sub> X source codes of the thesis
	thesis.pdf .....	the thesis text in PDF format