



MATEMATICKO-FYZIKÁLNÍ
FAKULTA
Univerzita Karlova

Zápis o obhajobě disertační práce

Akademický rok: 2021/2022

Jméno a příjmení studenta: Mgr. Ján Šubjak
Identifikační číslo studenta: 19205445

Typ studijního programu: doktorský
Studijní program: Teoretická fyzika, astronomie a astrofyzika
ID studia: 601757

Název práce: Photometric and spectroscopic characterization of substellar companions to stars

Pracoviště práce: Astronomický ústav AV ČR, v.v.i. (32-AUAV)

Jazyk práce: angličtina

Jazyk obhajoby: čeština

Školitel: Petr Kabáth, Dr.

Oponent(i): prof. Patricio Rojo

Mgr. Martin Vaňko, Ph.D.

Datum obhajoby: 16.09.2022 **Místo obhajoby:** Praha

Termín: řádný

Průběh obhajoby: In the beginning, the thesis, CV, list of publications of J. Subjak were circulated among the committee members. No comments on the PhD thesis arrived. PhD supervisor Petr Kabath briefly characterized J. Subjak's work and his progress during the PhD. After that, J. Subjak gave a presentation of his thesis. Following the presentation, prof. Rojo presented his referee report. He asked J. Subjak to explain his contribution to the papers in the dissertation. J. Subjak answered that in the first paper he was the lead author of the three main PhD student co-authors. In the second paper, he performed all of the analysis and one coauthor helped with the discussion of the results in one section. In the third paper, J. Subjak wrote the paper and did all analysis. The second referee dr. Vanko was not present so his referee report was read by prof. Werner. There were two scientific questions. Both questions were satisfactorily answered by Mr. Subjak. Then there were questions from the committee asked by Pejcha, Durech, Toth on biases in planet distributions, rotation periods from spots, tidal effects, similarities to the Solar System, and future plans of the candidate. All questions were satisfactorily answered by the candidate. The committee unanimously voted to award J. Subjak the PhD degree.

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| Výsledek obhajoby: | prospěl/a (P) | |
| Předseda komise: | Norbert Werner | |
| Členové komise: | doc. Mgr. Josef Ďurech, Ph.D. | |
| | RNDr. Bruno Jungwiert, Ph.D. | |
| | doc. Mgr. Ondřej Pejcha, Ph.D. | |
| | doc. RNDr. Juraj Tóth, Ph.D. | |