

## Posudek oponenta bakalářské práce

**Student:** Slanínáková Terézia

**Téma:** Modelování hudby na úrovni signálu pomocí WaveNetu (id 20864)

**Oponent:** Landini Federico Nicolás, UPGM FIT VUT

1. **Náročnost zadání** **obtížnější zadání**  
The work required to understand a state of the art work, implement such model and evaluate it. It was evaluated on corpora which required preprocessing and a good number of experiments were carried out with the mentioned implementation.
2. **Splnění požadavků zadání** **zadání splněno**  
All the objectives were accomplished successfully.
3. **Rozsah technické zprávy** **přesahuje obvyklé rozmezí**  
The work has an adequate number of pages and the information is presented adequately. However, the length and depth of the discussion of the results could be easily improved. I discussed the lack of discussion of the results with the student personally and she was able to provide interesting hypotheses and showed a good understanding of the results.
4. **Prezentační úroveň předložené práce** **90 b. (A)**  
The work was well structured and presented in a very clear manner.
5. **Formální úprava technické zprávy** **85 b. (B)**  
There were only a few sentences that were not completely clear and a few minor mistakes in English. The size of the text in some plots was too small. Other than that, the work was very good.
6. **Práce s literaturou** **95 b. (A)**  
Previous works were correctly cited taking into account state-of-the-art publications on the field. The student's own ideas were clearly identifiable.
7. **Realizační výstup** **95 b. (A)**  
All used software not created by the student was referenced and the student code was clearly explained.
8. **Využitelnost výsledků**  
The thesis extends a previous work by producing an implementation of the model in a widely used language for neural networks and evaluates such a model in different corpora than those used in the original work.
9. **Otázky k obhajobě**  
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10. **Souhrnné hodnocení** **95 b. výborně (A)**  
The proposed work required a good understanding of different state-of-the-art technologies and the student showed a good understanding of them. The work was properly structured and written in perfectly understandable English. Suggestions for improvement were discussed with the student for her to take them into account in the future. References and citations to relevant works were provided and the student showed to have understood many complex ideas related to the implemented model. Different corpora preprocessed by the student were used to train the model and different analysis were carried out for each of them.

Prohlášení: Uděluji VUT v Brně souhlas ke zveřejnění tohoto posudku v listinné i elektronické formě.

V Brně dne: 30. května 2018

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podpis