

**Film and TV School of the Academy of Performing Arts in Prague**  
**Department of Photography**

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**Assessment of the Master's Thesis**

Author of thesis: Alexander Rossa

Title of thesis: Creative Applications of Machine Learning in Photography

Assessment of the primary advisor

Assessment of the opponent

Author of the assessment (first name, last name, workplace): Tomáš Dvořák, KF  
FAMU

Evaluation of the content and final form of the thesis (A/excellent – B/very good –  
C/good – D/good with objections – E/satisfactory – F/unsatisfactory – not  
recommended for defence)

Suitability of the selected objective and work approach.....	A
Relative completeness of the literature used for the selected topic.....	A
Ability to critically evaluate and use scholarly literature.....	A
Logicality of the thesis structure, connection of its chapters.....	A
Language and stylistic level of the thesis.....	A
Compliance with citation norms (should the text repeatedly contain adopted passages without citing the source, the work cannot be recommended for defence).....	A
Sufficient extent of image attachments, justifiability and suitability of attachments, graphic layout.....	A
Originality of the thesis, contribution to the development of the field of study.....	A
Overall evaluation of the thesis.....	A

Verbal evaluation of the thesis including questions that the candidate must address in  
his/her thesis defence:

Alexander Rossa's diploma thesis presents a cutting edge analysis of creative applications of machine learning in photography and visual arts. Next to the outline of historical background, concise technical overview and a systematic summary of image synthesis, post-processing and creative tools the thesis addresses important and timely issues of the aesthetic, cultural and social implications of current AI.

Although the theses engages in both technical and theoretical aspects and employs a large body of scholarly literature, it is written from a practical/artistic perspective, making it into an extremely valuable compendium, which can be recommended to other students of photography, media arts and creative industries. Alex's discussions of applications, tools and artworks are very well chosen, presented and structured so they not only comprehensively cover the emerging field of machine learning and artificial neural networks but also articulate the creative affordances and constraints of

these technologies. Even though AI tools still develop and will keep developing rapidly, artistic concerns addressed in the thesis will remain relevant.

I recommend Alex's thesis for the defence and suggest A as the final grade.

Date: .....3/6/2021.....

Signature:..........