CENG 796 - Peer-review form

Reviewed project ID: Group 09

Reviewed project's title (title of the paper): Multi-View Consistent Generative Adversarial Networks for 3D-aware Image Synthesis

Reviewer name(s): İlker Işık, Muhammed Can Keleş

Instructions:

- Answer = *Yes*, *No* or *Partial*.
- You may expand sections as necessary.
- For most questions, you do not need to add comments, unless the instructions tell you otherwise.
- "Notebook" refers to "Jupyter Notebook" file that is expected to be named as main.ipynb

Question	**Answer**	**Comments**
Contains a jupyter notebook file	Yes	
Notebook is located at <project_root>/main.ipynb	Yes	
Notebook's first section contains paper information (paper title, paper authors, and project group members' name & contact information) Some good examples: see group03, group10, group11 (and a couple of other groups).	No	Contains: - Paper title - Group member's name Does not contain: - Paper author - Group member's contact information - General information about the paper
Notebook contains a section for hyper-parameters of the model.	No	
Notebook contains a section for training & saving the model.	No	Training script is provided separately, which makes sense since training is expected to take a lot of time.
Notebook contains a section (or a few sections) for loading a pre-trained model & computing qualitative samples/outputs.	Yes	
Notebook contains reproduced plots and/or tables, as declared.	Yes	FID scores are provided.
Notebook contains pre-computed outputs.	Yes	Some irrelevant and long outputs could be cleared (e.g. the outputs of pip install and unzip commands).

Data is included and/or a proper download script is provided.	Yes	There are commands for downloading the data in the Jupyter Notebook.
Notebook contains a section describing the difficulties encountered.	Partial	Challenges are briefly described at the first part of the notebook.
The paper has achieved its goals and/or explained what is missing.	Yes	Although they didn't achieve their goals, some potential reasons are briefly discussed.
The notebook contains a section that reproduces the figure(s) and table(s) declared in the goals.	Yes	
The notebook also reports the original values of the targeted quantitative results, for comparison.	Yes	
MIT License is included.	Yes	
As the reviewer(s), you have read the paper & understood it.	Yes	
Implementation of the model seems correct.	Partial	• Possible error: The generator seems to be implemented mostly correctly. The SIREN model and the FiLM layers seem to be implemented correctly, but the linear layer before FiLM layer seems to be missing. As described in section 3. • The decoder seems to be implemented correctly. The use of 1D convolutions seem correct. As described in figure 7. • Possible error: In the decoder, bilinear upsampling seems to be used only at the last upsampling layer. This should be used for all the layers in the decoder.
Notebook looks professional (in terms of notation, readability, etc.)	Partial	• More markdown blocks could be added for explanations. • The outputs of the Bash commands (lines that start with '!') could be cleared.
Source code looks professional (in terms of coding style, comments, etc.)	Partial	• For most of the important methods and classes, docstrings are missing. • A docstring/comment at the top of each Python file would be helpful.

Additional comments:

Please write any suggestions that can content-wise and/or aesthetically improve the notebook or the source code. *You may also add your lengthy comments (eg. mathematical problems that you have found in the implementation) here, and, refer to this text in your comments above.*