

The term “cycle-consistency” will be revised to “attention-consistency” in the camera-ready version. The cycle-consistency constraint is described as high-level semantic loss under the assumption of defining the attention generation process as a binary segmentation task. Furthermore, as you will see in the code page released after paper acceptance, the learned attention map not only indicates the location but also provides information of rain density, direction, and shape etc. By this way, we follow this paper [1] to define the constraint from such a task as high-level semantic loss.

## **Reference**

[1] Li, Y., Liu, S., Yang, J. and Yang, M.H., 2017. Generative face completion. In *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition* (pp. 3911-3919).