StyleTRF: Stylizing Tensorial Radiance Fields
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The first figure row shows our different styles applied to the Playground Scene. The second row compares the results produced by ReRevST, StylizedNeRF and our method.

Captured Images  →  TensoRF  →  Novel Views

LEGEND
Pre-Optimization
Fine-Tuning

Reference Style Image
Real World Data  →  Image Stylization Module  →  Stylized Images

Image Stylization Module

Fine Tuning

Image Stylization Module

TensoRF and StylizedNeRF made the mistake of choosing 2D stylization methods [3] that produce inconsistent results as shown in the first two images. The last two images show that the choice of a fixed feedforward CNN [4] provides speed as well as stability which is necessary.

Radiance Field Pre-Training: 15 Mins.
Training of Image Stylization Module: 15 Mins.
Stylization: 40 Secs.

Image Stylization Module Storage: 7MB.

References