Splicing ViT Features for Semantic Appearance Transfer

Software & Algorithms

An AI algorithm using a pre-trained Vision Transformer (ViT) to transfer one image's appearance onto another's structure, creating realistic chimeric images automatically and efficiently without extra input.
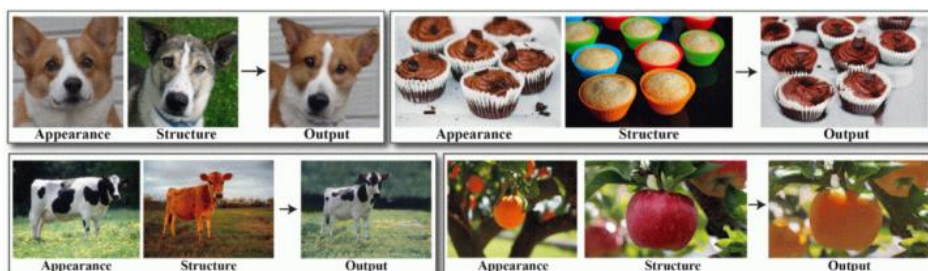
APPLICATIONS

- A feature for AI systems that can create realistic images with different appearances
- Add-on feature for photo editing software to modify HD photos
- Real-time photo modification tool for social media applications

DEVELOPMENT STAGE

The ViT algorithm is developed, demonstrated, and published.

DIFFERENTIATION

Fast and precise image editing

Creation of high-definition, realistic chimeric images

Broad applicability to various objects and scenes

REFERENCES

- **:N. Tumanyan et al, 2022, arxiv**