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About me

Cones2

- 🗓 🖺 🖺 Cones 2: Customizable Image Synthesis with Multiple Subjects
- DDDDDhttps://arxiv.org/abs/2305.19327
- NIPS 2023

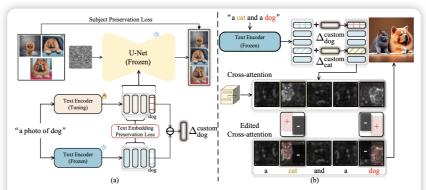


Figure 2: **Illustration of the proposed approach.** (a) We first learn a residual token embedding (e.g., $\Delta_{\rm custom}^{\rm custom}$) on top of the base embedding to register a user-specified subject, which allows composing various subjects arbitrarily without further model tuning. (b) Given a layout as the spatial guidance, we then arrange the subjects by rectifying the activations in cross-attention maps, which enables the control of the location of each subject and reduces the interference between them.



Figure 1: Customizable image generation with the subjects listed on the left. Cones 2 is highlighted from three aspects. (1) Using a simple yet effective representation to register a subject, we can compose various subjects arbitrarily without any model tuning. (2) Employing spatial layout, which is very easy to obtain in practice, as a guidance, we can control the specific location of each subject and meanwhile alleviate the interference across subjects. (3) Our method achieves appealing performance even under some challenging settings, such as customizing the synthesis with six or more subjects and exchanging the sunglasses on the two dogs.

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- DDDhttps://github.com/ali-vilab/Cones-V2

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2024-10-22

Face2Diffusion

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