## Saliency-based Trimap Generation for Image Matting イメージマッティングのための顕著性マップに基づく trimap 生成手法

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Alpha matting is the task of splitting an image into the foreground and background on a very fine scale. In many of the existing implementations, an intermediate representation called a trimap is constructed by user inputs. Although trimaps are created on a much coarser scale than alpha mattes, the process of constructing them is still costly. This work proposes a generic neural network for a trimap generation that utilizes saliency map detection. Our model multi-modally learns a saliency map and a trimap, enabling it to focus on generating a more accurate trimap in the area with higher salience. Experiments showed that our model could generate trimaps that are almost identical to manually generated ones. The method can also be easily combined with existing alpha matting algorithms.

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