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Refereed Article

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Describing Abstraction in Rendered Images through Figure Captions

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Abstract: *We analyze illustration and abstraction techniques used in rendered images. We argue that it is important to convey these techniques to viewers of such images to enhance the process of image understanding. This leads us to derive methods for automatically generating figure captions for rendered images which describe the abstraction carried out. We apply this concept to computer generated anatomic illustrations. Strategies for the content selection for figure captions, for setting user preferences and for updating figure captions are described. Several approaches to the realization of figure captions are discussed. The paper also describes a prototypical implementation.*

Publication and review history

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