# **Context-Preserving Cutaways in Molecular Visualization**

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#### Abstract

The ABSTRACT is to be in fully-justified italicized text, between two horizontal lines, in one-column format, below the author and affiliation information. Use the word "Abstract" as the title, in 9-point Times, boldface type, left-aligned to the text, initially capitalized. The abstract is to be in 9-point, single-spaced type. The abstract may be up to 3 inches (7.62 cm) long.

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Categories and Subject Descriptors (according to ACM CCS): I.3.3 [Computer Graphics]: Picture/Image Generation—Viewing algorithms

### 1. Introduction

## 2. Related Work

[VKG05] [BHW\*07] [BF08] [LRA\*07] [LHV12]

# References

[BF08] BURNS M., FINKELSTEIN A.: Adaptive cutaways for comprehensible rendering of polygonal scenes. In *ACM SIGGRAPH Asia 2008 Papers* (New York, NY, USA, 2008), SIGGRAPH Asia '08, ACM, pp. 154:1–154:7. URL: http://doi.acm.org/10.1145/1457515.1409107, doi:10.1145/1457515.1409107.1

[BHW\*07] BURNS M., HAIDACHER M., WEIN W., VIOLA I., GRÖLLER M. E.: Feature emphasis and contextual cutaways for multimodal medical visualization. In *Proceedings of the 9th Joint Eurographics / IEEE VGTC Conference on Visualization* (Aire-la-Ville, Switzerland, Switzerland, 2007), EUROVIS'07, Eurographics Association, pp. 275–282. URL:

http://dx.doi.org/10.2312/VisSym/EuroVis07/275-282, doi:10.2312/VisSym/EuroVis07/275-282.1

[LHV12] LIDAL E. M., HAUSER H., VIOLA I.: Design principles for cutaway visualization of geological models. In *Proceedings of Spring Conference on Computer Graphics (SCCG 2012)* (May 2012), pp. 53–60.

[LRA\*07] LI W., RITTER L., AGRAWALA M., CURLESS

B., SALESIN D.: Interactive cutaway illustrations of complex 3d models. In *ACM SIGGRAPH 2007 Papers* (New York, NY, USA, 2007), SIGGRAPH '07, ACM. URL: http://doi.acm.org/10.1145/1275808.1276416, doi:10.1145/1275808.1276416.1

[VKG05] VIOLA I., KANITSAR A., GROLLER M. E.: Importance-driven feature enhancement in volume visualization. *IEEE Transactions on Visualization and Computer Graphics 11*, 4 (July 2005), 408–418. URL: http://dx.doi.org/10.1109/TVCG.2005.62, doi:10.1109/TVCG.2005.62.1

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