

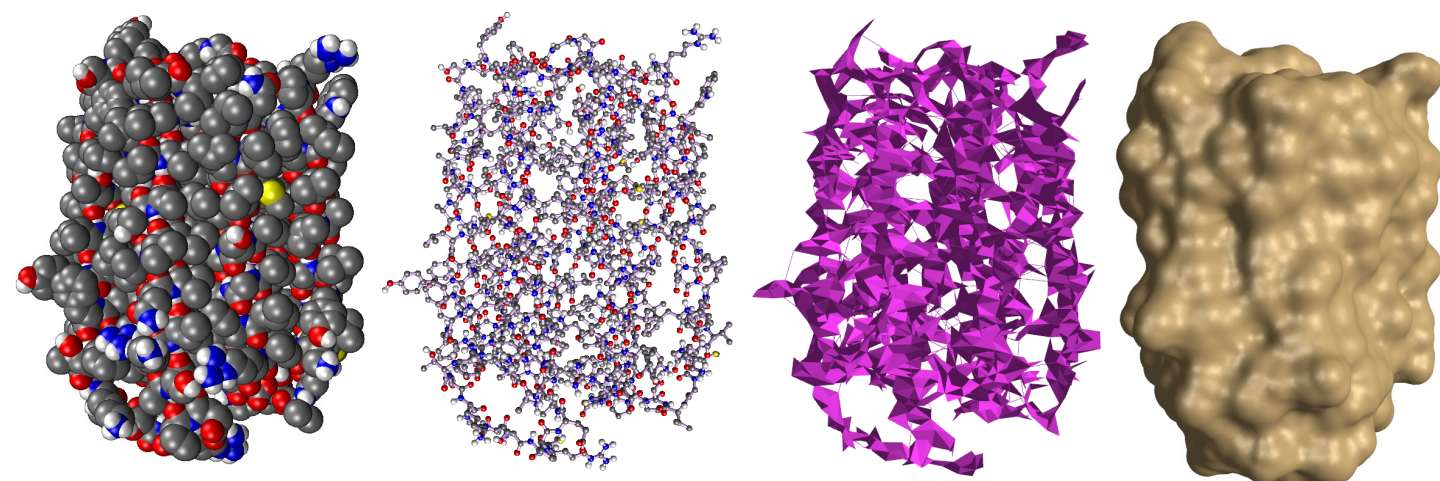


ProteinVis: An Interactive Visualization system for large Bio-Molecules



Key Features

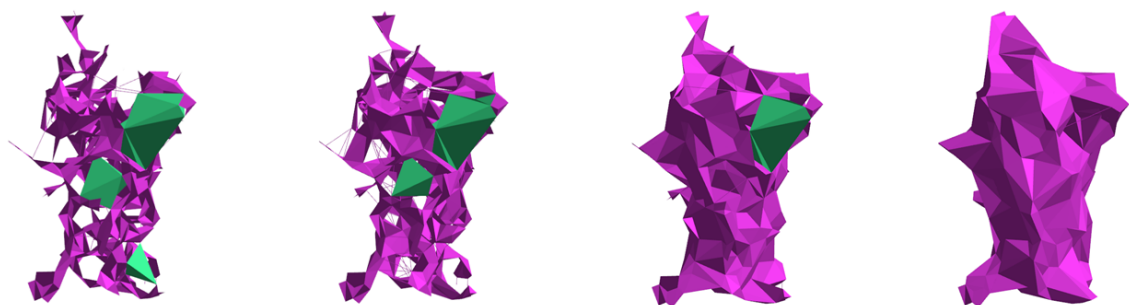
- Visualization of Large biomolecules.
- Multiple representations (Ball stick, space fill, alpha shape and dual pockets, skin surface).
- Pixel precise renderings.
- GPU acceleration.



Visualization of Bacterorhodopsin in Space-Fill, Ball-Stick,
Alpha-Shape and Skin Surface Models

Performance comparison with state-of-the-art molecule viewers

Molecule	Num Atoms	Viewer	Space-Fill (fps)	Ball-Stick (fps)
Groel	66,136	VMD 1.8.7	6.00	3.34
		Pymol 1.2r2	2.0	n/a
		ProteinVis	35.25	19.37
70s_RF2	301,212	VMD 1.8.7	1.07	0.57
		ProteinVis	16.5	n/a
Experiments done on Nvidia 8800 GTX card (800x600 Viewport)				



Visualization of the Alpha Shape and Dual Pockets of BPTI



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