

Curriculum Vitae Bryant Gipson

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1880 Cowell #208
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Education:

(1998 – 2000) **Sonoma State University** Rohnert Park, Ca, USA
(2001 – 2005) **Humboldt State University** Arcata, Ca, USA

Degree Qualifications:

2005 Physics & Math Double Major, Bachelors

Publications:

Bryant Gipson, Xiangyan Zeng, Zi Yan Zhang, and Henning Stahlberg (2006). 2dx - User-friendly image processing for 2D crystals. **J. Struct. Biol.** in press (doi:10.1016/j.jsb.2006.07.020)

Ludovic Renault, Hui-Ting Chou, Po-Lin Chiu, Rena M. Hill, Xiangyan Zeng, **Bryant Gipson**, Zi Yan Zhang, Anchi Cheng, Vinzenz Unger, and Henning Stahlberg (2006). Milestones in electron crystallography. **J. Comp.-Aided Molec. Design** in press (DOI 10.1007/s10822-006-9075-x)

Xiangyan Zeng, **Bryant Gipson**, Zi Yan Zheng, Ludovic Renault, and Henning Stahlberg. Automatic lattice determination for two-dimensional crystal images. **in preparation**

Bryant Gipson, Phyllis Chinn (2007). A Physicist Looks At Graph Isomorphism. **Proceedings of the Thirty-Eighth Southeastern International Conference on Combinatorics, Graph Theory, and Computing** in preparation.

Conference Presentations/Posters:

Bryant Gipson. 2dx: Image processing of 2D crystal images using 2dx_image **The first international workshop on electron crystallography of membrane proteins**. August 2006

Bryant Gipson, Phyllis Chinn (2005). A Physicist Looks At Graph Isomorphism. **The Thirty-Sixth Southeastern International Conference on Combinatorics, Graph Theory, and Computing**. March, 2005

Bryant Gipson, David Kornreich. “Visualizing Black Holes”, **206th Meeting of the American Astronomical Society**, March 2005

Bryant Gipson, Phyllis Chinn. A Physicist Looks At Graph Isomorphism. **Humboldt State University Math Colloquium**, February 2005

Bryant Gipson, William R. McBride, David Kornreich. N-Body Galaxy Dynamics Simulations on a Homogeneous Beowulf Cluster. 205th Meeting of the American Astronomical Society, January 2005

Other:

Active Junior Member of the American Astronomical Society

Michael Schirber. (2005) Eye-to-Eye with a Black Hole (Press article on “Visualizing Black Holes”.) **Space.com** http://www.space.com/scienceastronomy/050711_blackhole_looks.html

Further information about undergraduate research done prior to joining Stahlberglab at UC Davis:

<http://www.humboldt.edu/~brg11/>