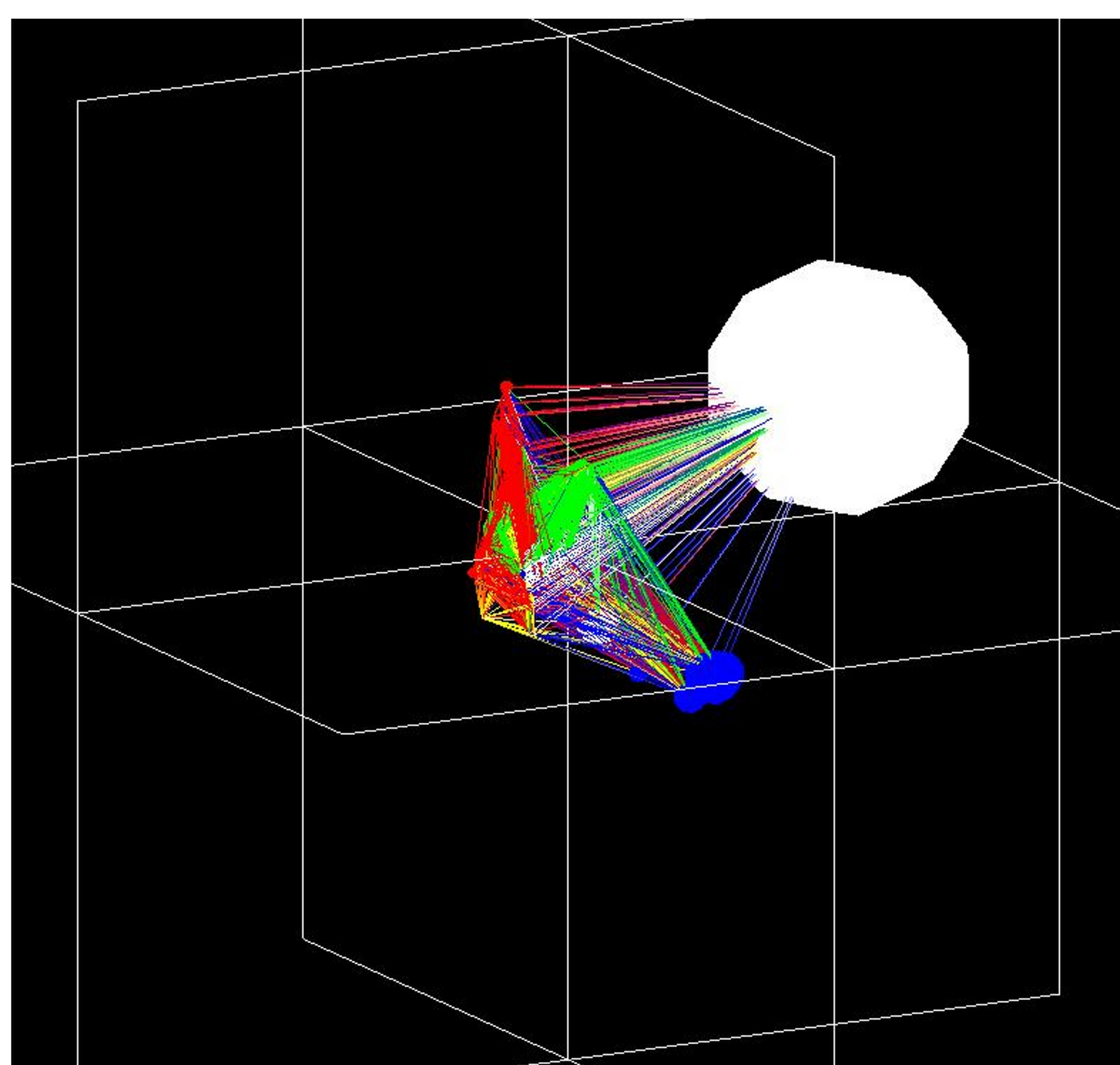
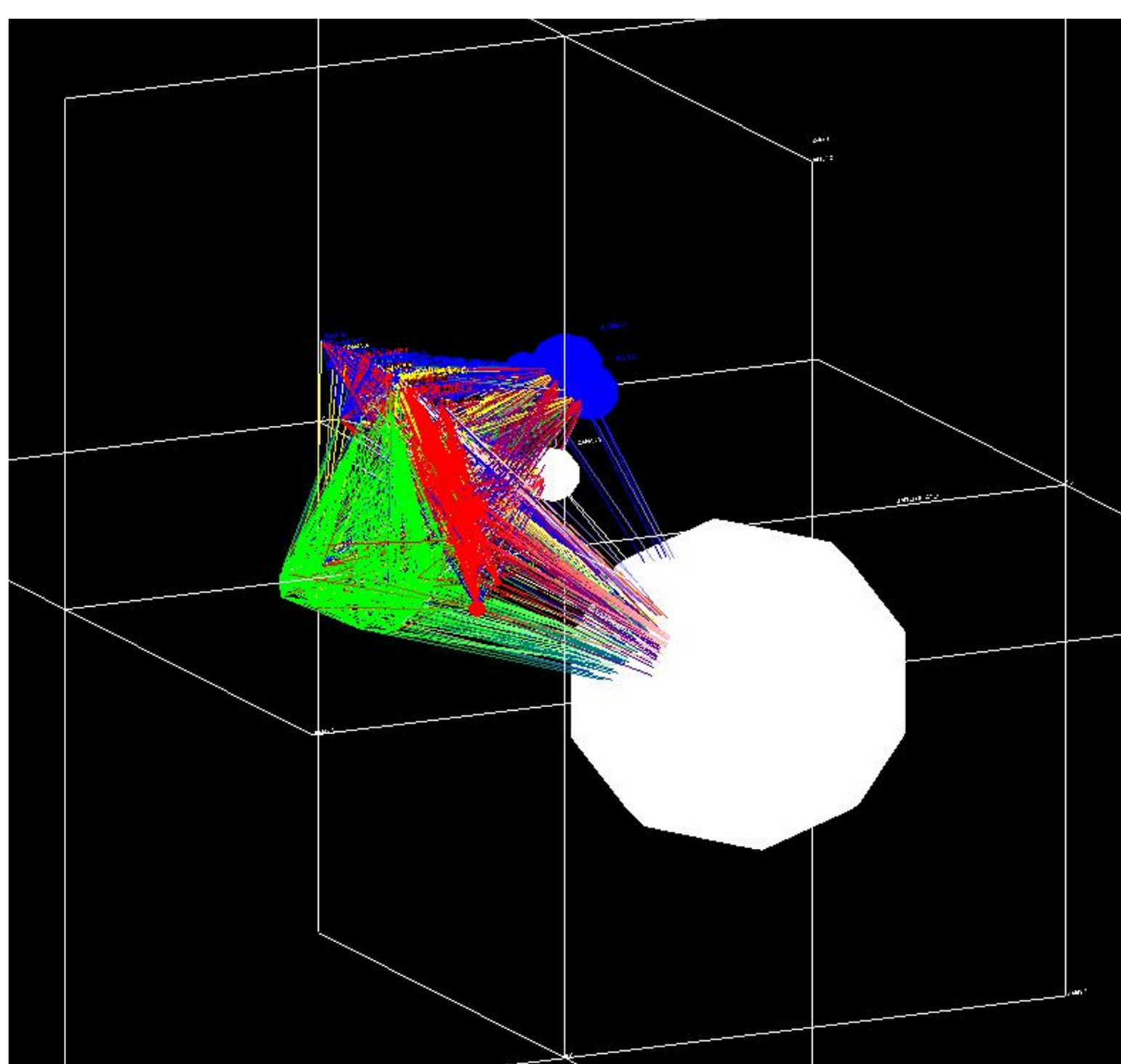
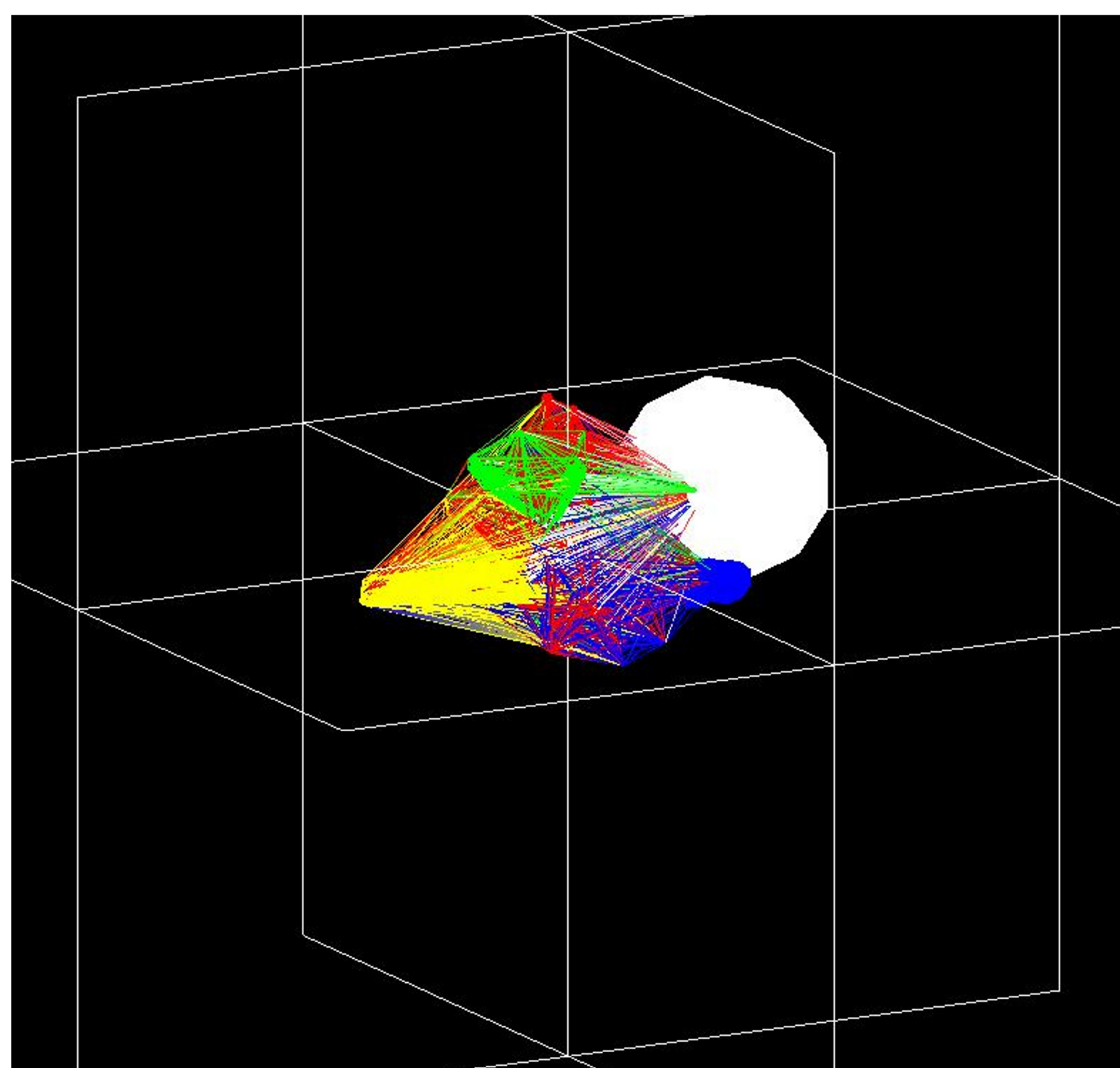
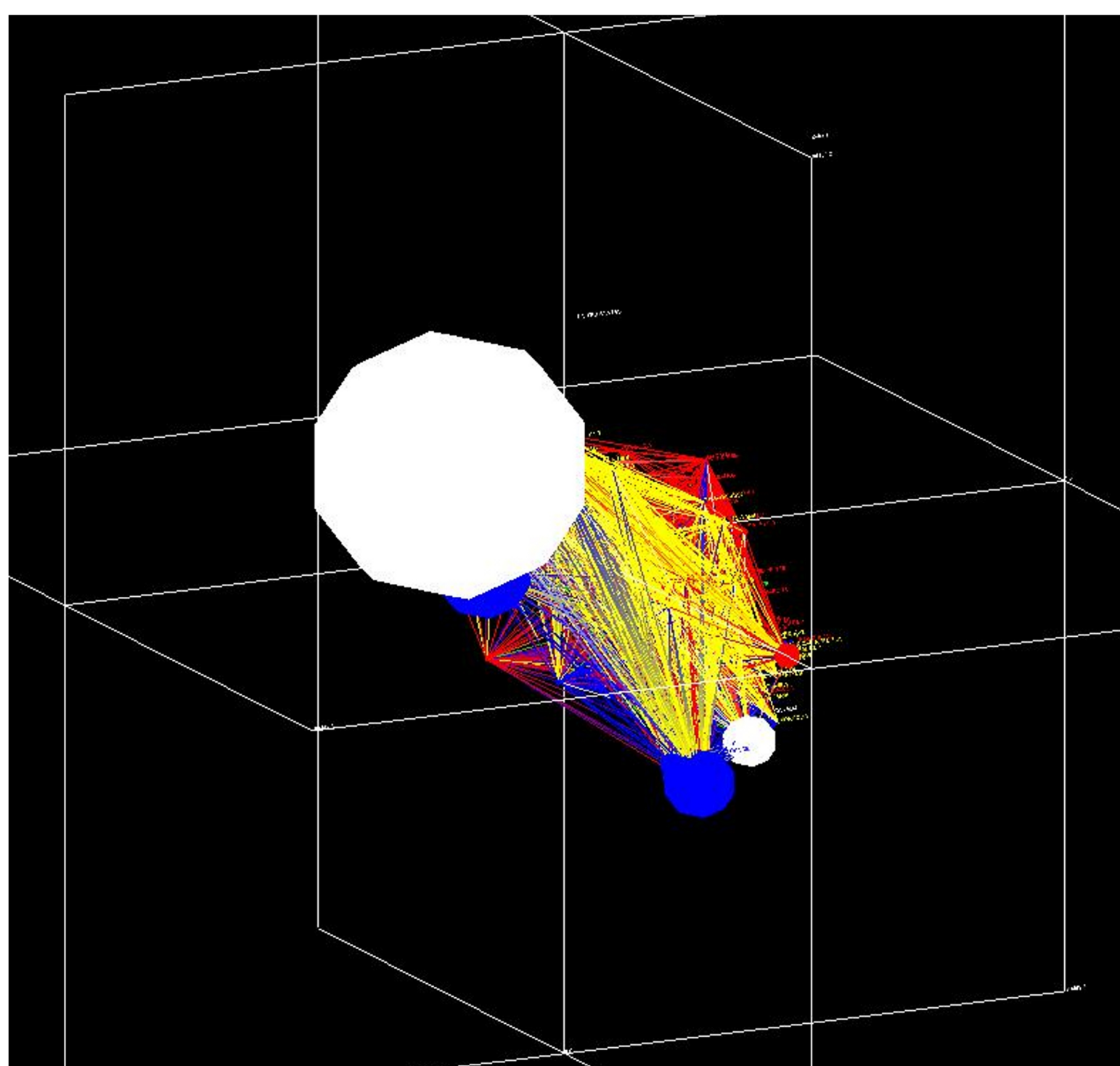
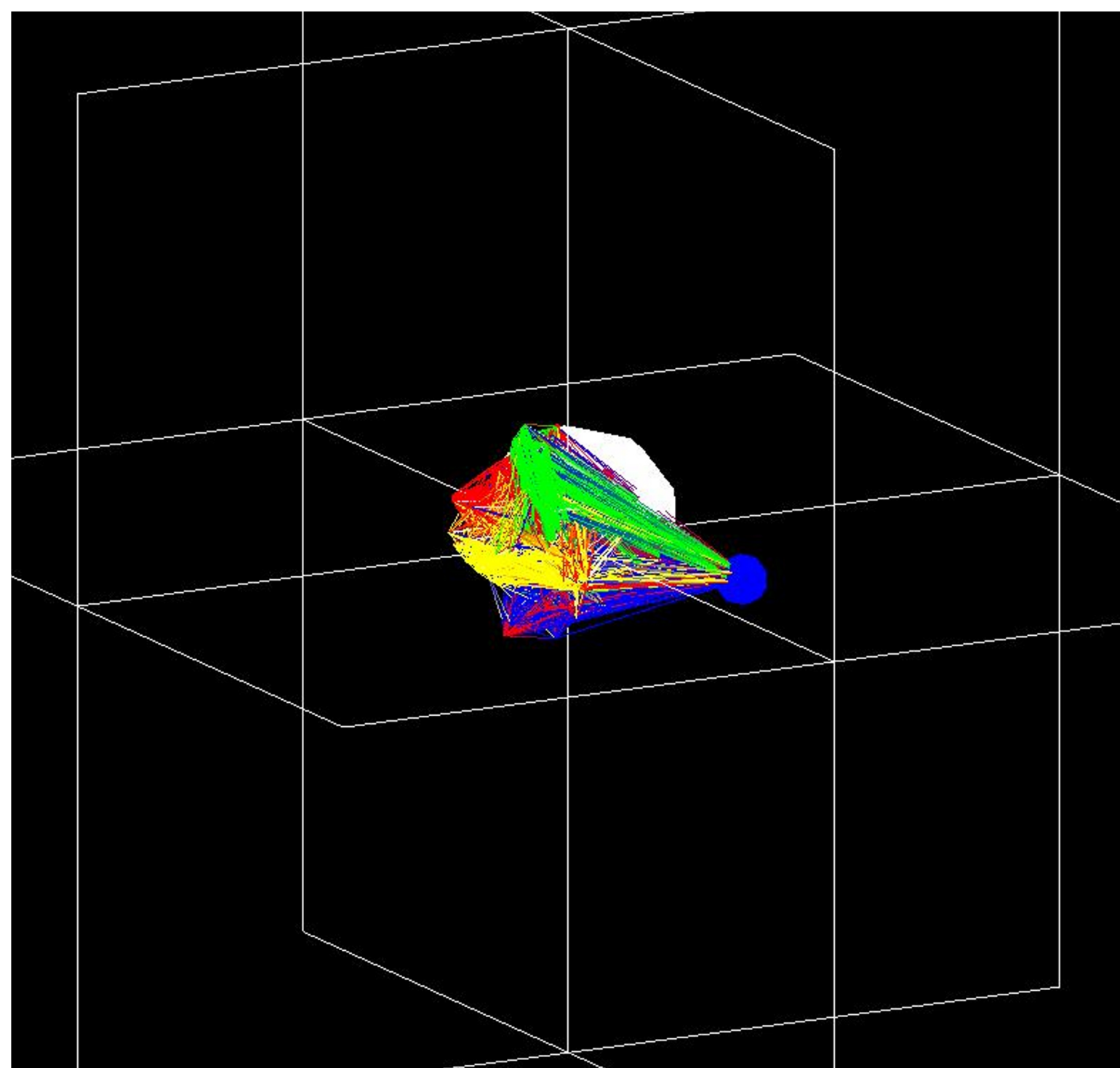
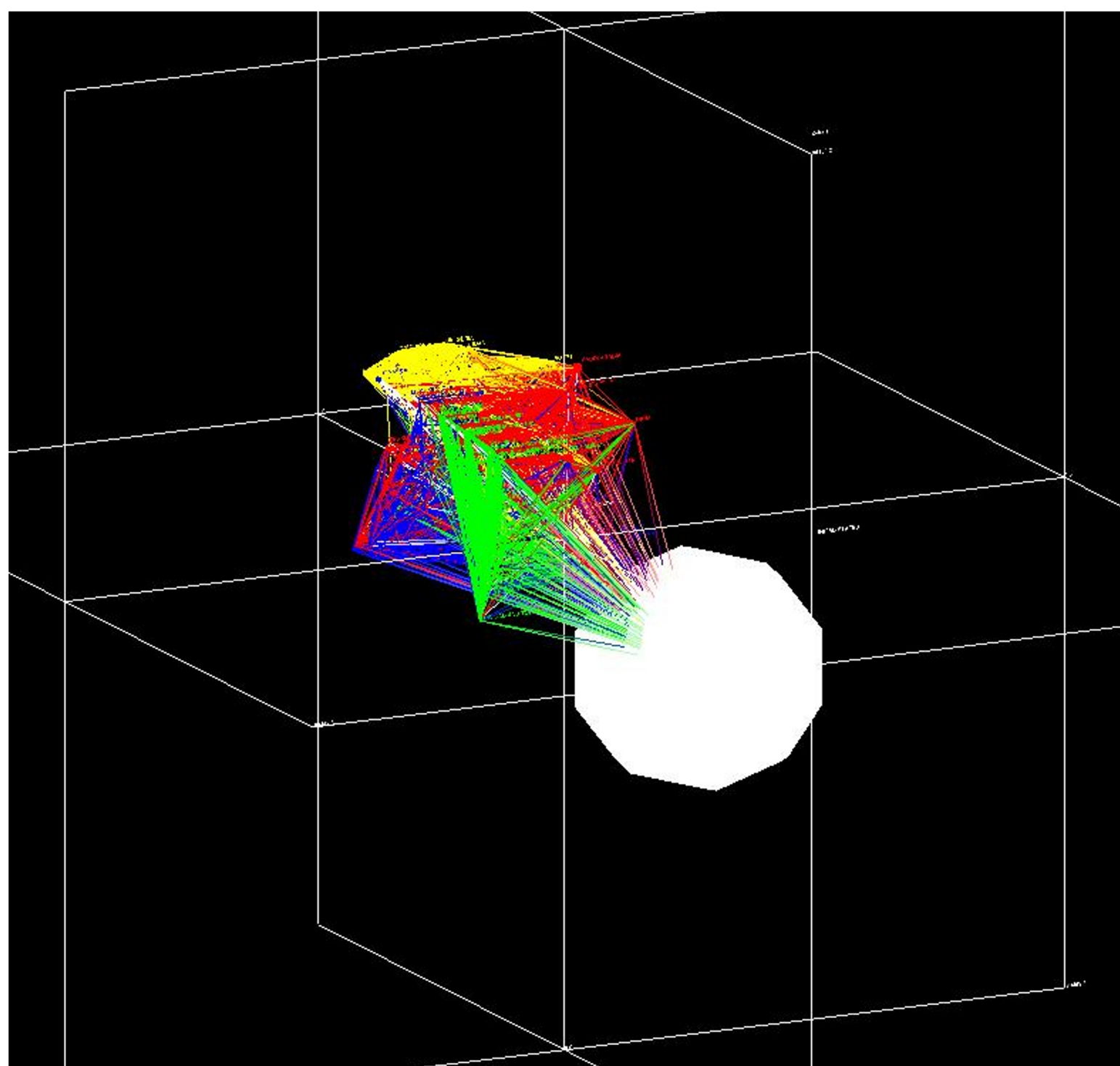
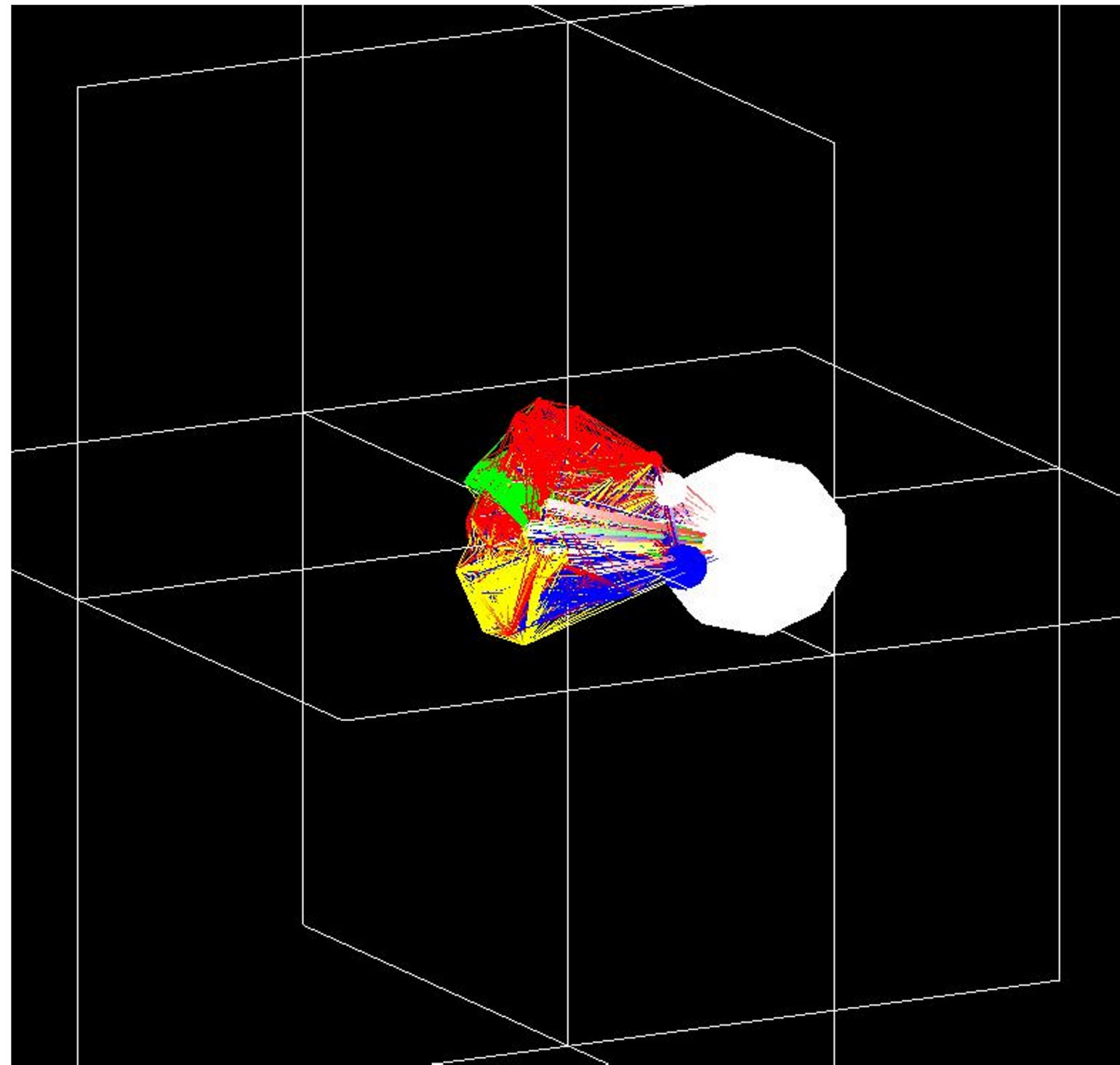
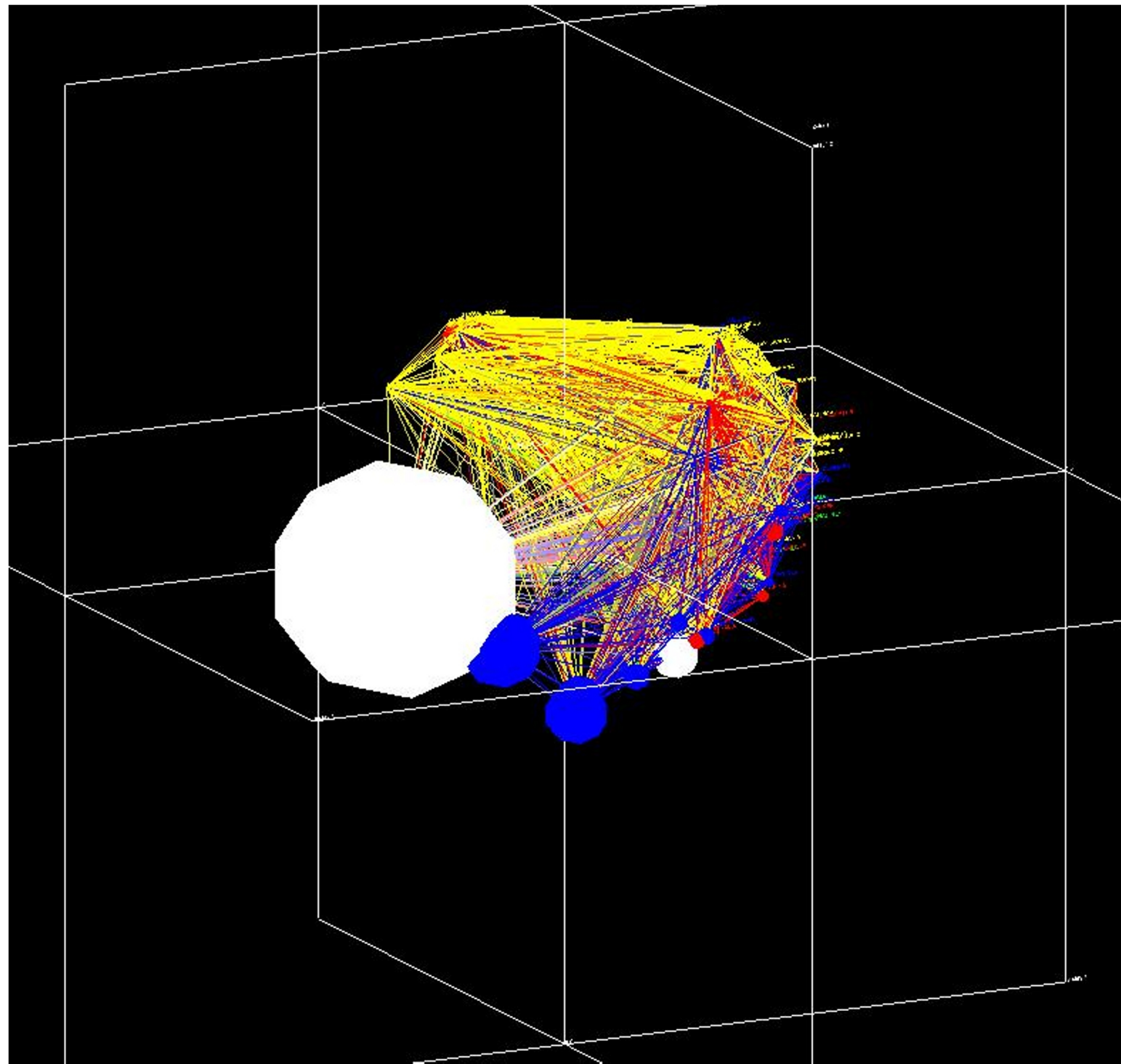


MATRIX TO COORDINATES 4.0



Unrotated

Rotated

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Create Multi-Dimensional Riemann Spaces with Unlimited Size and Dimensionality.

Create multiple output files including Time Series, ET-V and Excel XLSX data files.

Import data from Text Delimited and XLS/XLSX formats.

MDS Coordinates generated describe the object's similarity to all other objects.

Distances are created based on the row/column differences using Structural Equivalence / Pythagorean Theory.

Closer objects share similar network structure.

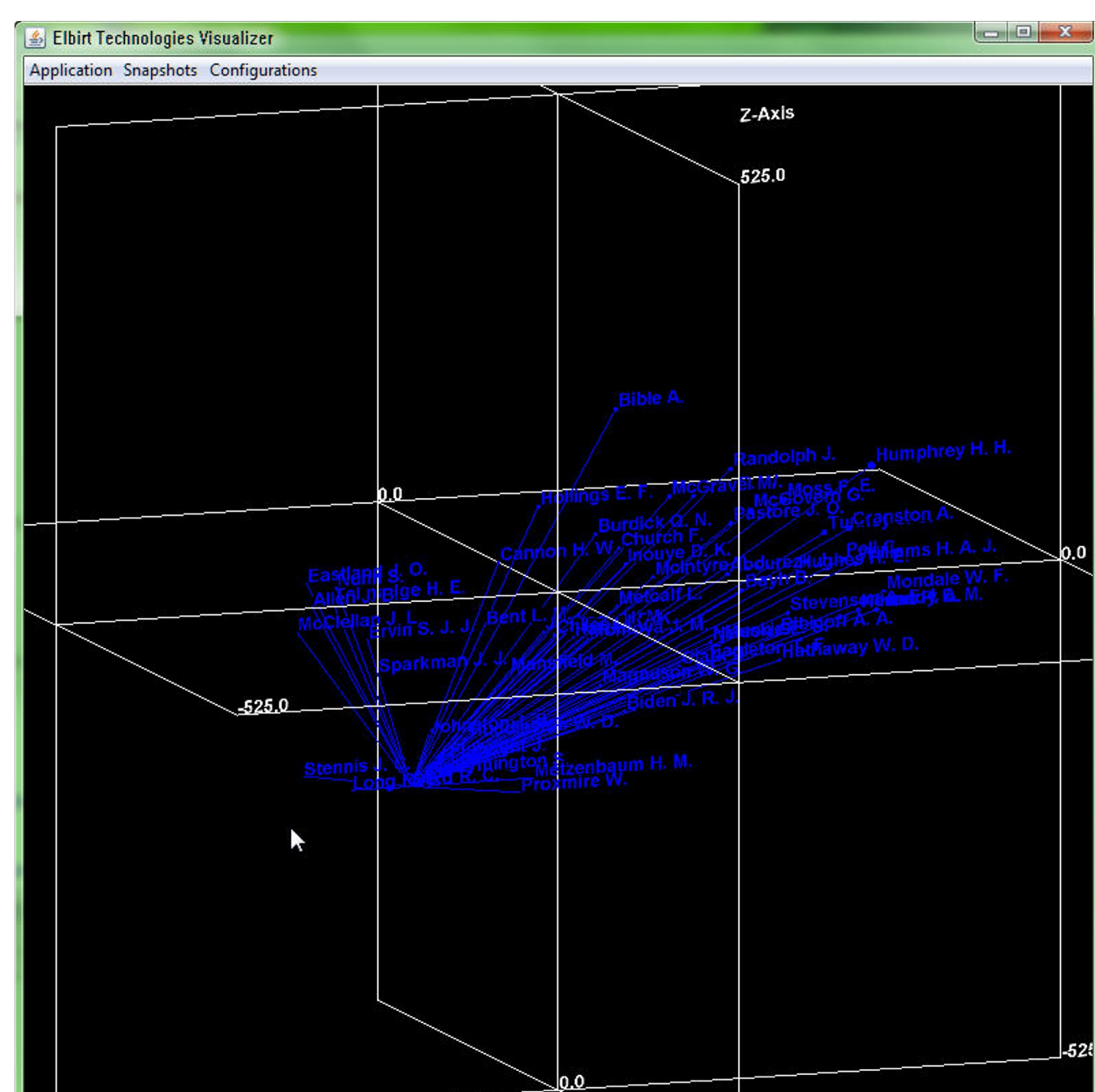
Time series and Optimal Choice Rotation Methods.

Multi-Mode, Non-Network Data can also be analyzed and coordinates generated.

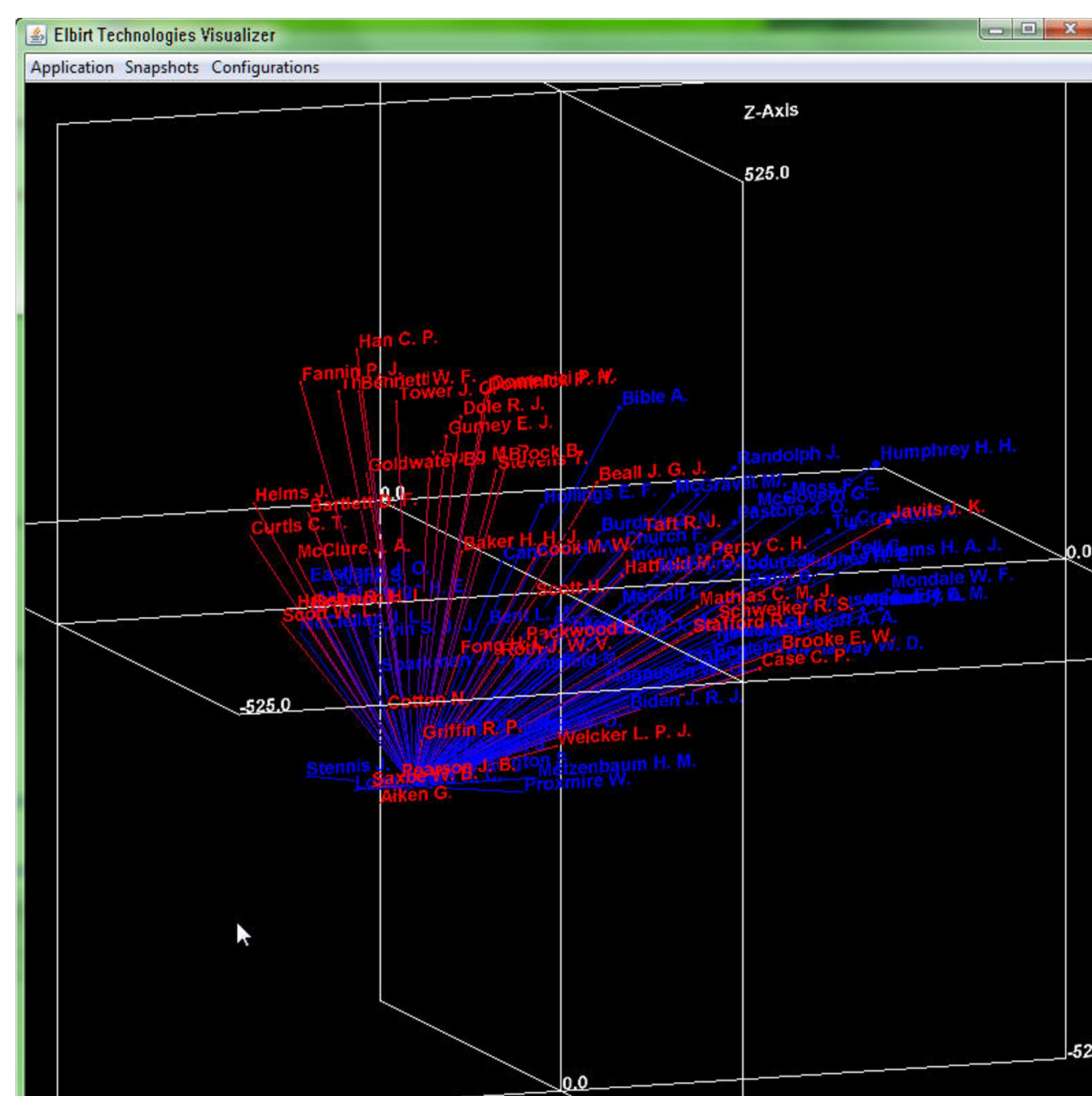
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93rd to 109th US Senate Bill Co-Sponsorship Networks

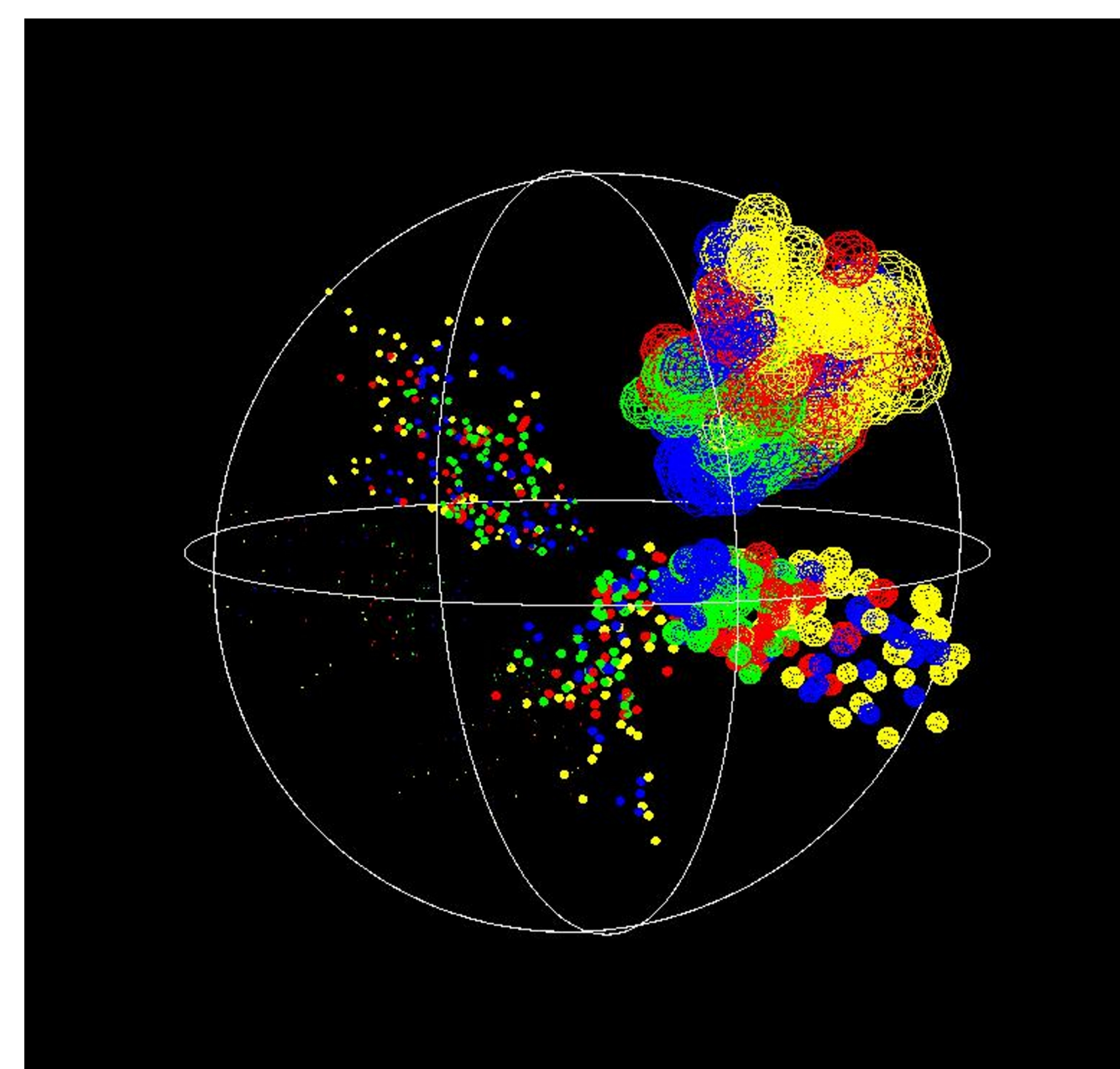
Canadian Interprovincial Migration Patterns 1987 - 2005



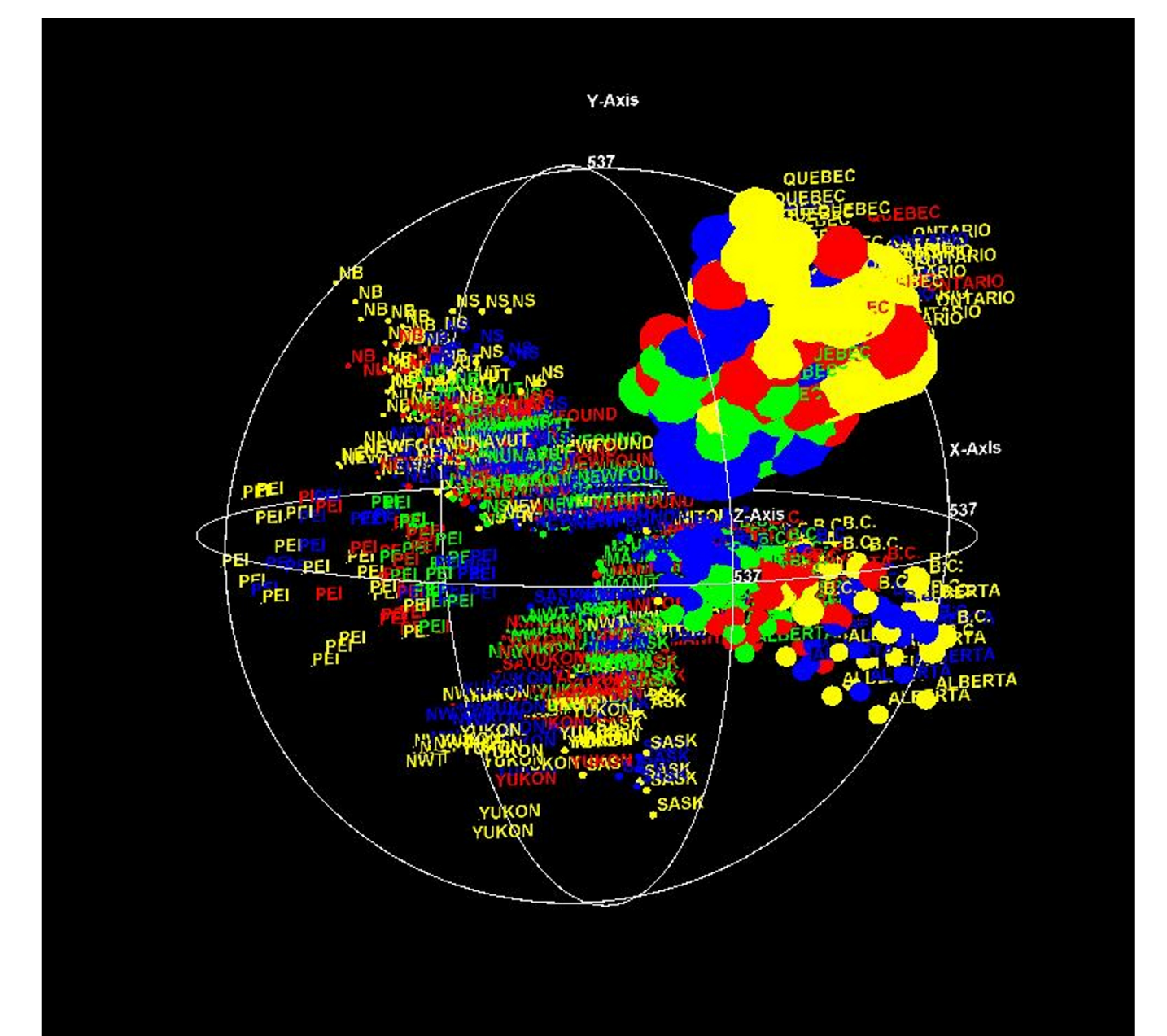
Senator R. C. Byrd, 93rd Congress – Ego Cluster with Democrats Only



Senator R. C. Byrd, 93rd Congress – Ego Cluster with Republicans & Democrats Only



All Data Visible. Attributes: Colored by Season, Sized by Population, Wireframe and Solid Objects, Spherical Axis, with and without Labels

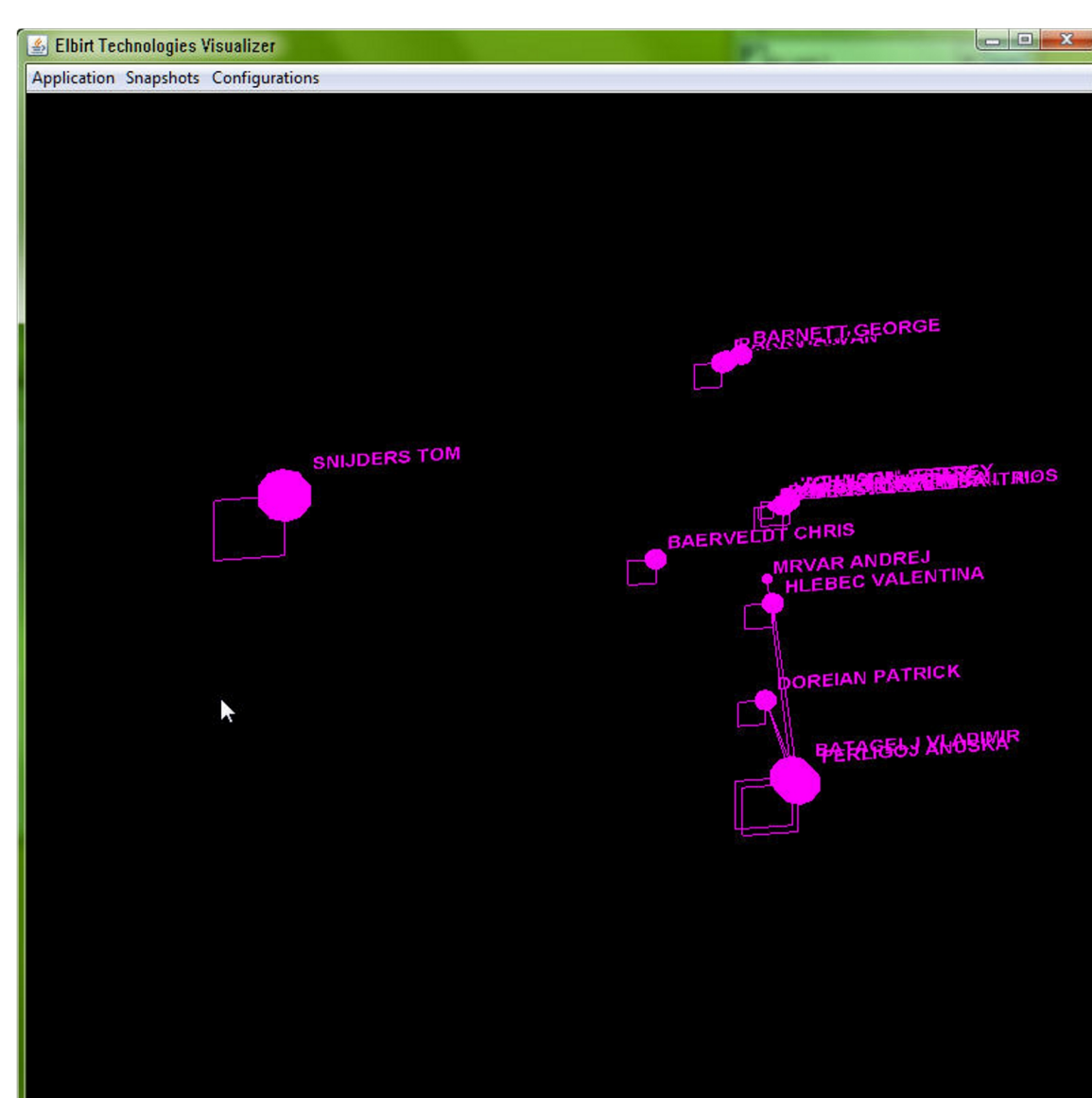


Fowler, J. H. (2006). Connecting the Congress: A Study of Cosponsorship Networks. *Political Analysis*, 14 (4), 456-487.

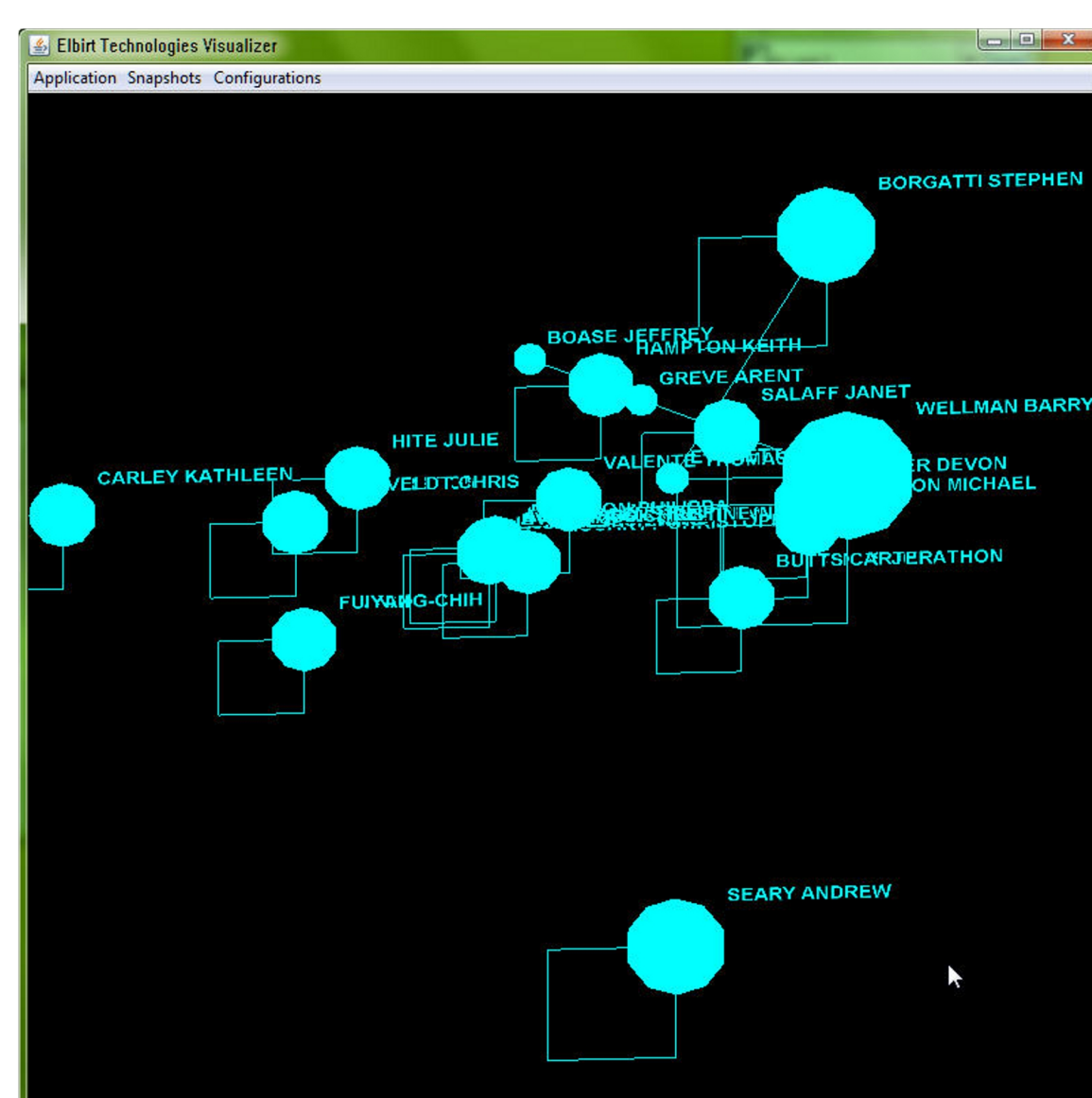
Barnett, G. A., & Sung, E. J. (2003). An examination of Canada's Interprovincial Networks. *Sunbelt Social Networks Conference*. Cancun, Mexico.

Fowler, J. H. (2010, September 22). Cosponsorship Network Data Page. Retrieved October 4, 2010, from James H. Fowler Cosponsorship Network Data Page: <http://jhfowler.ucsd.edu/cosponsorship.htm>

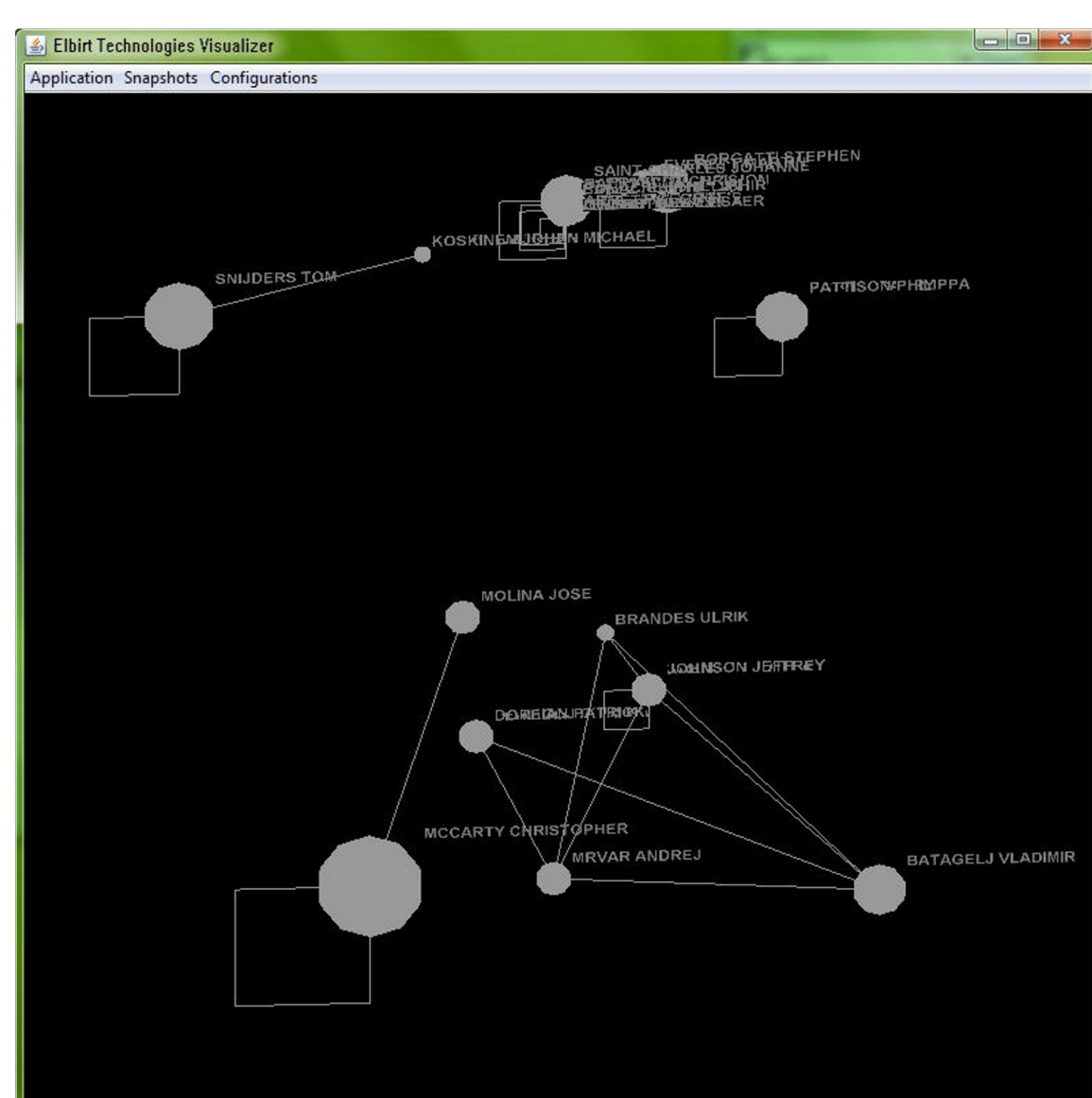
Sunbelt XXI - XXX Conference Co-Authorship Networks



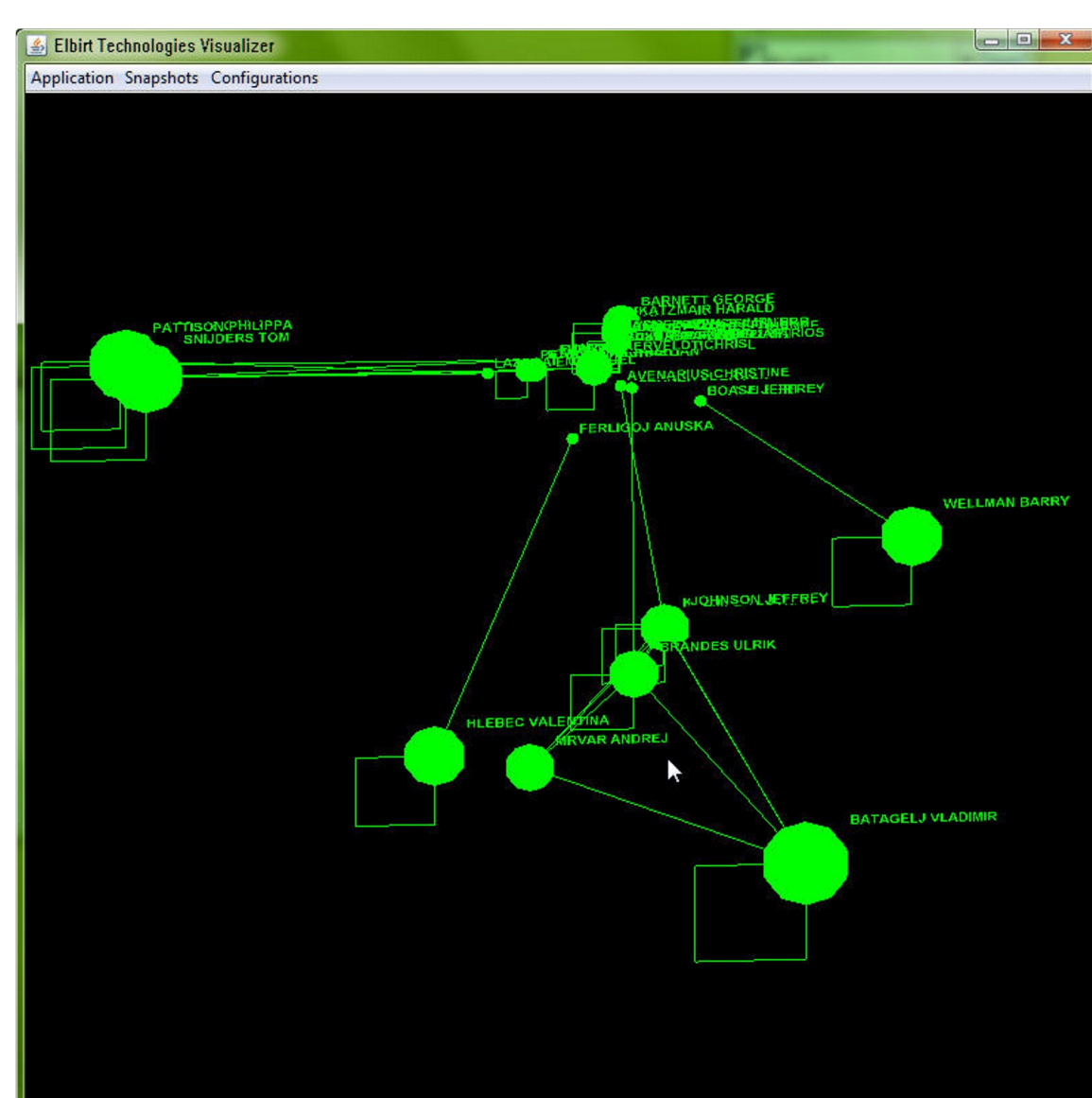
Sunbelt XXI



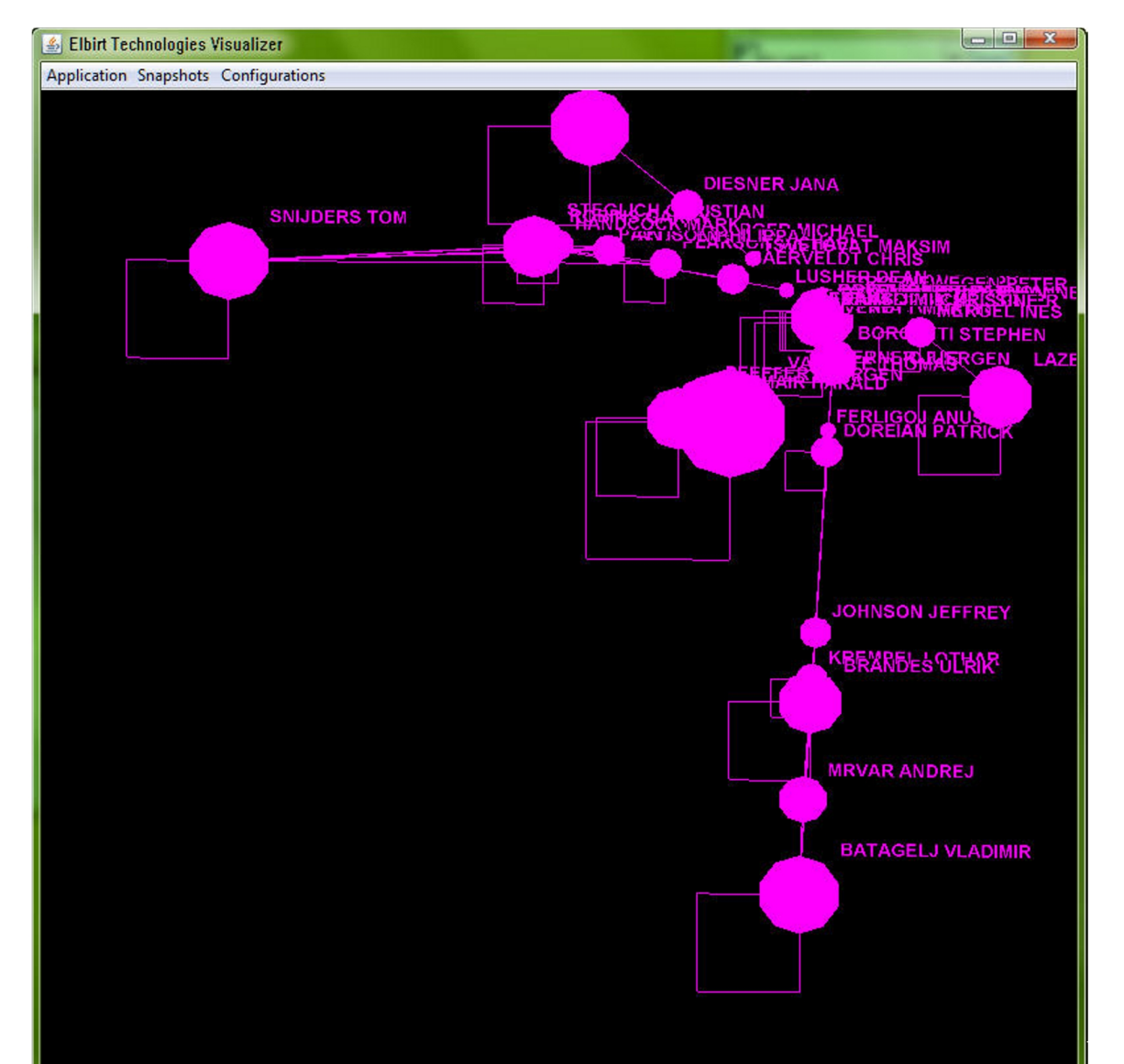
Sunbelt XXII



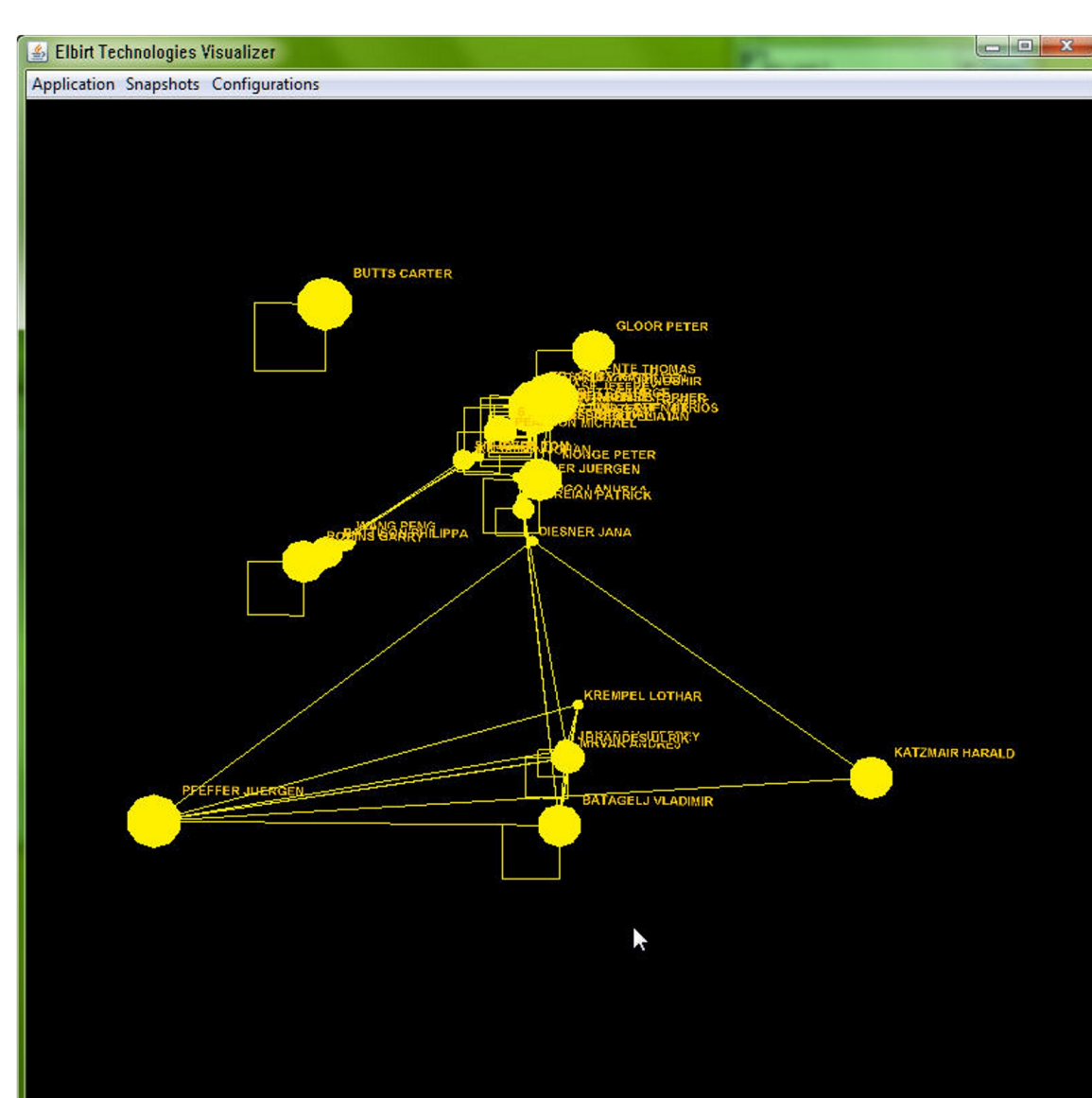
Sunbelt XXIII



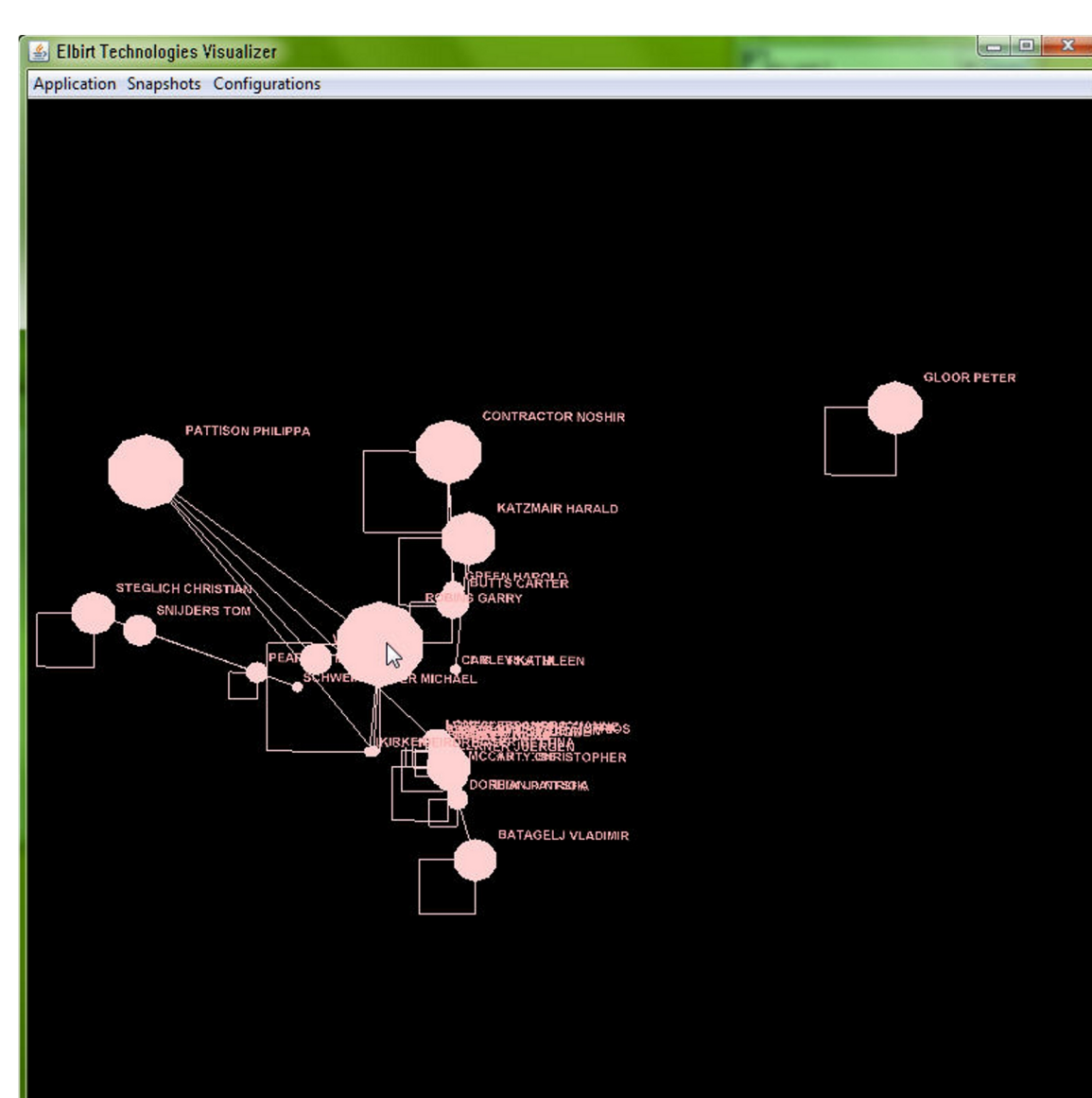
Sunbelt XXIV



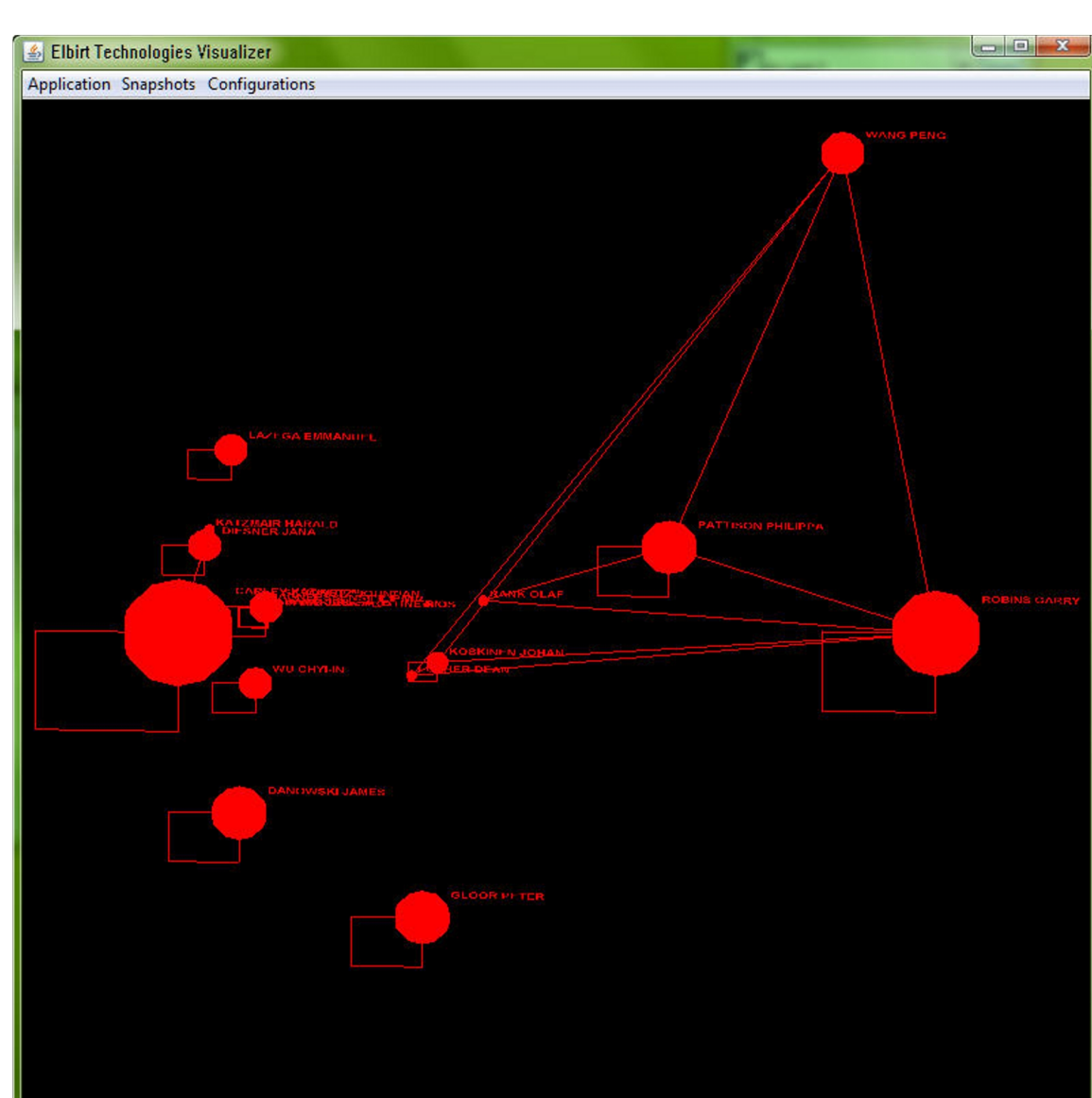
Sunbelt XXV



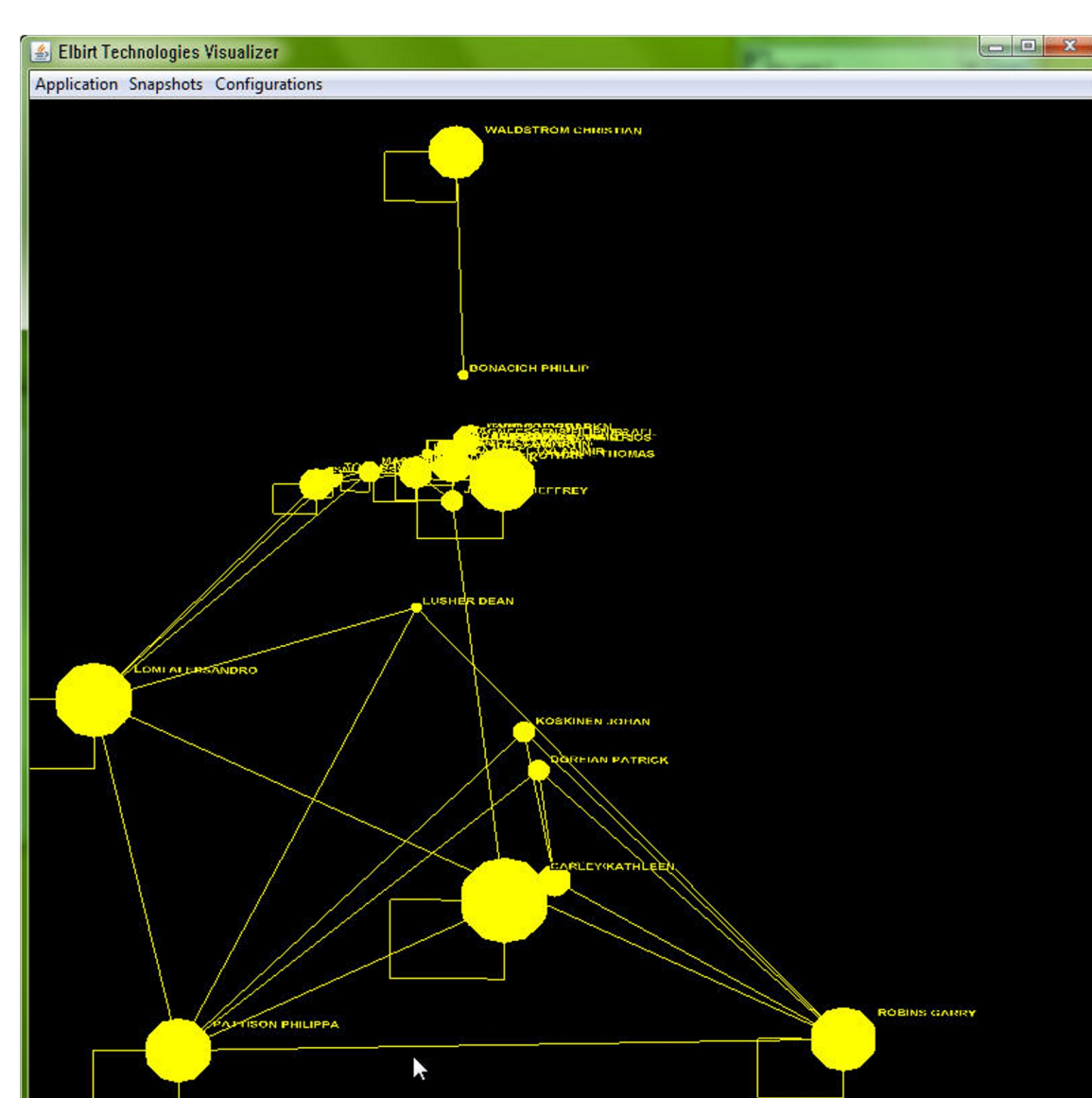
Sunbelt XVI



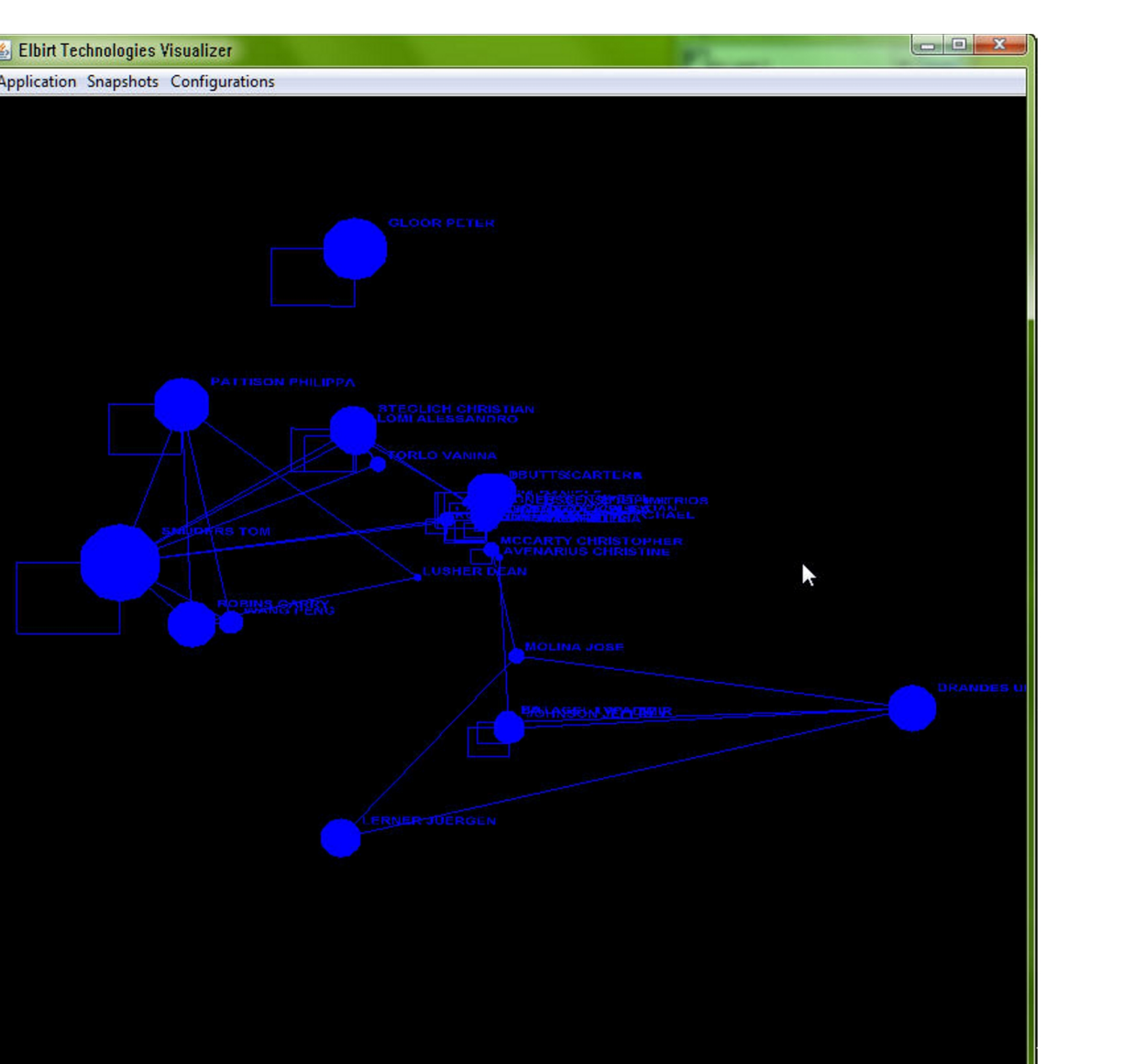
Sunbelt XVII



Sunbelt XVIII



Sunbelt XIX



Sunbelt XXX

- * Self Reflexive Edges are Presentations without Co-Authors.
- * Colors have no specific meaning.
- * Object size is the number of publications for the given conference.
- * Authors with 5 or more years of conference presentation.

INSNA (2011). Sunbelt XXI through XXVIII Abstract Data. <http://www.insna.org>

INSNA (2010). Sunbelt XXX Abstract Data. <http://www.insna.org>

INSNA (2009). Sunbelt XXIX Abstract Data. <http://www.insna.org>

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