

# Preliminary Bibliography: Transformations

Name

## Experience with Transformations:

- In MAT 2240: *Introduction to Linear Algebra* we explored matrix transformations in 2-D and 3-D.
- In MAT 3110: *Modern Algebra*, we explored symmetry groups, like the dihedral group, the group  $S_4$  and the symmetries of a cube and tetrahedron.
- In MAT 3610: *Introduction to Geometry* we explored symmetries of the five regular polyhedra.

## Prior Progress:

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## Recent Scholarly Journal Article:

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Here are in text citations for the preliminary bibliography [2, 3, 4, 5, 6]

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**Caution:** “2 single left quotes” versus ”double quotes on left”

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## References

- [1] “Connecting People with Americas Great Outdoors: A Framework for Sustainable Recreation. United States Forest Service USDA, Recreation, Heritage and Volunteer Resources. 25 June 2010. Web. 13 April 2014. [http://www.fs.usda.gov/Internet/FSE\\_DOCUMENTS/stelprdb5346549.pdf](http://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5346549.pdf)
- [2] Cullen, Charles. *Matrices and Linear Transformations, 2nd edition*. Reading, MA: Addison-Wesley Publishing Company, 1972
- [3] Kastrup, Hans A. *On the Advancements of Conformal Transformations and their Associated Symmetries in Geometry and Theoretical Physics*. Annalen der Physik (v. 17/9-10, 2008)
- [4] Kleiner, Israel. *A History of Abstract Algebra*. Boston: Birkhauser, 2007
- [5] O’Connor, John and Edmund Robertson. *MacTutor History of Mathematics Archive: Search Results for Transformations*. Available online: <http://www-history.mcs.st-andrews.ac.uk/Search/historysearch.cgi?SUGGESTION=transformations&CONTEXT=1> (accessed February 2011)
- [6] Rosenfeld, Boris Abramovich. *A History of Non-Euclidean Geometry: Evolution of the Concept of a Geometric Space*. New York: Springer, 1988
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