

1046-97-848

Joseph Malkevitch* (malkevitch@york.cuny.edu), Department of Mathematics, York College (CUNY), Jamaica, NY 11451. *Discrete, Combinatorial, and Computational Geometry for Undergraduates.*

Axiomatic, historical, and metrical approaches to geometry dominate the way geometry is currently taught to undergraduate mathematics majors. However, mathematics majors are disadvantaged by this approach whether they plan to become industrial mathematicians, teach pre-college mathematics, or hope to do research in geometry as part of doctoral studies. The goals of teaching geometry for mathematics majors can best be accomplished by a modified approach to traditional geometry curriculum which will incorporate non-metrical ideas along with metrical ones. (Received September 12, 2008)