

**Meeting:** 1003, Atlanta, Georgia, MAA IPS Z3, MAA Invited Paper Session on Worlds of Interactive Mathematics, Part II: The Legacy of James E. White

1003-Z3-1675      **James E Miller\*** ([miller@math.wvu.edu](mailto:miller@math.wvu.edu)), Department of Mathematics, PO Box 5310,  
Morgantown, WV 26506. *Using Mathwright to Developing Interactive Workbooks for Precalculus.*

Many students in colleges and universities with majors requiring calculus are not ready for the beginning calculus course. At West Virginia University, we are attempting to create an environment that will incorporate different forms of learning. One of the methods that is being used is a series of computer workbooks. Mathwright provides an effective tool to create interactive computer workbooks which assist in leading students to discover many of the topics in a Precalculus course. The topics that are covered with these workbooks include linear equations, polynomials, rational functions, trigonometric functions, and exponential and logarithmic functions. The correlation between performance on the Mathwright workbooks and regular exams is high. (Received October 06, 2004)