

Meeting: 1003, Atlanta, Georgia, MAA CP D1, MAA Session on Mathematics and Sports, I

1003-D1-542 **G. Edgar Parker*** (parkerge@jmu.edu), Department of Mathematics and Statistics, James Madison University, Harrisonburg, VA 22807. *Models for Playing Technique in Baseball.*

Sabrmetrics, commonly using statistical methods, has had a tremendous effect in the last decade on how baseball judges talent and plays the game tactically. In this talk, we use elementary mathematics to make non-statistical models that allow us to examine questions concerning how the players execute their play. Base-running techniques and pitching techniques that are coached differently in different organizations are examined. Suggestions for models that might settle the issues conclusively are made. (Received September 21, 2004)