

1035-P1-67      **Michael E. Mays\*** ([Michael.Mays@mail.wvu.edu](mailto:Michael.Mays@mail.wvu.edu)), Math Department WVU, Morgantown, WV  
26506-6310. *Mathlets for Problem Analysis*.

Problem analysis in the sense of Usiskin et. al. in the book *Mathematics for High School Teachers, An Advanced Perspective*, involves looking at a problem after it has been solved and examining how it was done, looking for ways to generalize the problem, extend the problem to other contexts, and applying the method of solution to other problems. Several problems from the text are modeled as interactive explorations using java applets written with the Mathematical Java Toolkit, facilitating the process of problem analysis. (Received July 09, 2007)