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Long Wang* (lwang@spsu.edu), Mathematics Department, Southern Polytechnic State University, 1100 South Marietta Parkway, Marietta, GA. *How Logical Thinking Can Be Enhanced in Learning Real Analysis*. Preliminary report.

Based on a class-The Real Line, we investigate how logical thinking can be enhanced to improve students' learning in the course. A systematic study on the theory and practice is conducted. Some techniques to promote logical thinking in the learning process will be demonstrated. With examples from our experience, we will show the results of the techniques used for various groups of students. (Received September 25, 2006)