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Yuan Yuan* (carolyuan@mail2000.com.tw), 5F, No 91 PO-I Street, 300 Hsinchu, Taiwan, Taiwan, and **Ming-Jang Chen** (mjchen@cc.ntcu.edu.tw). *Learning Trigonometry through a Virtual Mathematics Learning System-Informath*. Preliminary report.

The purpose of this joint project is to build up a virtual high school mathematics learning system based on a personal constructivism model-Informath(informath.ntnu.edu.tw). The Web environment includes adaptive dynamic personal web system, object-oriented homepage editing system and individualized dynamic guidance system. We will show how do we create the virtual classroom - Tracing the Trigonometry, and how do we apply this learning unit to students with different leaning styles. Follow up research to help the completeness of the Web will be discussed. (Received September 13, 2000)