

**ZMATH 2011e.00874**

**Vicentini, Caterina**

**From  $\pi$  to aleph through the theatre: A way to avoid didactical frauds and pseudostructured assurances.**

Mat. Didatt. 21, No. 1, 111-115 (2007).

Summary: In this paper the didactical work we've realised during the school year 2002–2003 in the III B class of the Scuola Media “Del Torre” located in Romàns d’Isonzo (Gorizia) is described. It concerns the use of  $\pi$  in the calculus of circumferences lengths; circles areas; cylinders, cones and spheres areas and volumes; and the consequent “early conceptualisation” of what an irrational number is.

*Classification:* U83

*Keywords:* teaching methods; writing a piece of theatre; teaching media; lower secondary; experience report; Joint Meeting of UMI-SIMAI/SMAI-SMF, 2006, Turin