

PROPOSED PROBLEM TO SCHOOL SCIENCE AND MATHEMATICS

OVIDIU FURDUI

Find the sum

$$\sum_{k=2}^{\infty} (-1)^k \ln \left(1 - \frac{1}{k^2} \right).$$

THE UNIVERSITY OF TOLEDO, MATH. DEPARTMENT, TOLEDO, OH

E-mail address: ofurdui@yahoo.com, Ovidiu.Furdui@utoledo.edu