## An Infinite Product

Problem 03-004, by Anthony A. Ruffa (Naval Undersea Warfare Center Division, Newport, RI).

Evaluate the infinite product

$$
\prod_{n=1}^{\infty} \frac{e^{2^{-n}}+1}{z^{2^{-n}}+1}
$$

in terms of elementary functions.

Status. The proposer has a solution. Other solutions are invited.

