Problem 2 (due Monday, February 24)

Is it possible to find two functions $f,g:\mathbb R_0 \to \mathbb R$ and a rational function S(u,w) in two variables such that $[\cos(xy)=S(f(x),g(y))]$ for all real numbers x,y. (Recall that a rational function in 2 variables is a quotient of two polynomial functions in two variables).

The problem was solved by Josiah Moltz and Dr Mathew Wolak. Their solutions follow the same idea as our in-house solution. For details see the following link Solution.

From:

https://www2.math.binghamton.edu/ - **Department of Mathematics and Statistics, Binghamton University**

Permanent link:

https://www2.math.binghamton.edu/p/pow/problem2s25

Last update: 2025/02/28 20:33