

Year: 2008

Vol.: 72

Fasc.: 3-4

Title: On continuous solutions and stability of a conditional Gołąb–Schinzel equation

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We determine the continuous solutions $f : \mathbb{R} \rightarrow \mathbb{R}$ of the functional equation

$$f(x + f(x)y)f(x)f(y)[f(x + f(x)y) - f(x)f(y)] = 0 \quad (x, y \in \mathbb{R}).$$

We also give some remarks on nonstability of the Gołąb–Schinzel equation.

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