

Year: 2015

Vol.: 87

Fasc.: 3-4

Title: A variant of Wilson's functional equation

Author(s): Brahim Fadli, Driss Zeglami and Samir Kabbaj

In the present paper we determine the complex-valued solutions (f, g) of the functional equation

$$f(xy) + f(\sigma(y)x) = 2f(x)g(y),$$

in the setting of groups and monoids that need not be abelian, where σ is an involutive automorphism.

Address:

Brahim Fadli
Department of Mathematics
Faculty of Sciences
IBN TOFAIL University
BP: 14000. Kenitra
Morocco

Address:

Driss Zeglami
Department of Mathematics
E.N.S.A.M
Moulay Ismail University
B.P : 15290 Al Mansour, Meknes
Morocco

Address:

Samir Kabbaj
Department of Mathematics
Faculty of Sciences
IBN TOFAIL University
BP: 14000. Kenitra
Morocco