ON THE STABILITY OF MIXED TRIGONOMETRIC FUNCTIONAL EQUATIONS

GWANG HUI KIM

This paper is dedicated to Professor Themistocles M. Rassias.

Submitted by J. Chmieliński

ABSTRACT. The aim of this paper is to study the superstability problem of the mixed trigonometric functional equations and the Hyers-Ulam-Rassias stability for a Jensen type functional equation.

1 DEPARTMENT OF MATHEMATICS, KANGNAM UNIVERSITY, YONGIN, GYOUNGGI, 446-702, KOREA.
E-mail address: ghkim@kangnam.ac.kr

Date: Received: July 18, 2007; Revised: 19 October 2007; Accepted: 28 October 2007.
2000 Mathematics Subject Classification. Primary 39B82; Secondary 39B52.
Key words and phrases. Stability, superstability, sine functional equation, cosine(d’Alembert) functional equation, trigonometric functional equation.