Microphone Placement for Tenor Pan Sound Recording: New Recommendations Based on Recent Research

Fasil Muddeen aΨ and Brian Copeland b

Department of Electrical and Computer Engineering, Faculty of Engineering, The University of the West Indies, St Augustine, Trinidad and Tobago, West Indies
aE-mail: Fasil.Muddeen@sta.uwi.edu
bE-mail: Brian.Copeland@sta.uwi.edu
Ψ Corresponding Author

(Received 05 October 2012; Revised 07 January 2013; Accepted 18 January 2013)

Abstract: The placement of recording microphones used for live recording, studio recording or sound reinforcement of a tenor steelpan is revisited using new research findings on the soundfield of the instrument. The new results were obtained using a technique called Nearfield Acoustical Holography (NAH). An analysis of the existing microphone techniques and the recommendations for new positions based on the soundfield information is made.

Keywords: Acoustics, Nearfield Acoustical Holography, Sound Intensity