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## WEIGHTED CLASSES OF QUATERNION-VALUED FUNCTIONS

A. EL-SAYED AHMED<sup>1\*</sup> AND SALEH OMRAN<sup>2</sup>

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ABSTRACT. In this paper, we define the classes F(p,q,s) of quaternion-valued functions, then we characterize quaternion Bloch functions by quaternion F(p,q,s) functions in the unit ball of  $\mathbb{R}^3$ . Further, some important basic properties of these functions are also considered.

CURRENT ADDRESS: TAIF UNIVERSITY, FACULTY OF SCIENCE, MATHEMATICS DEPARTMENT, BOX 888 EL-HAWIYAH, EL-TAIF 5700, SAUDI ARABIA.

E-mail address: ahsayed80@hotmail.com

E-mail address: salehomran@yahoo.com

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<sup>&</sup>lt;sup>1</sup> Department of Mathematics, Sohag University, Faculty of Science 82524, Sohag, Egypt

 $<sup>^2</sup>$  Department of Mathematics, Faculty of Science, South Valley University, Qena, Egypt

<sup>\*</sup> Corresponding author.

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