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A boundary value problem for Bitsadze equation in matrix form

of

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Sezayi HIZLIYEL, Mehmet ÇAĞLIYAN
Uludağ University, Art and Science Faculty
Deparment of Mathematics
16059 Görükle, Bursa-TURKEY
e-mail: hizliyel@uludag.edu.tr, caglayan@uludag.edu.tr

Keywords Authors **Abstract:** In this work, we investigate the solvability of the problem  $\frac{2}{partial^2w}{\pi c}^2 = \Re \{i\phi(z)w(z)\} = \gamma_1(z), \Re \{c\} = \gamma_2(z)\} = \gamma_2(z)\} = \gamma_2(z)$  in \partial D in the unit disk of complex plane. Here f ,  $\gamma_1$  and  $\gamma_2$  are given m \times s-complex matrix-valued functions;  $\sinh L^p$  (\overline{D}),  $\gamma_1$ ,  $\gamma_2$  \in C(\partial D) and  $\phi$  is a generating solution for Q-holomorphic functions.



Key Words: Q-Holomorphic; Bitsadze equation

math@tubitak.gov.tr

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