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**Abdolaziz Abdollahi\*** ([abdollahi@shirazu.ac.ir](mailto:abdollahi@shirazu.ac.ir)), Department of Mathematics, College of Sciences, Shiraz University, 7146713565 Shiraz, Iran. *On the the numerical range of finite order elliptic automorphism composition operators.*

In this talk we show that the matrix representation of a finite order elliptic automorphism composition operator on the Hardy space with respect to the Guyker's basis is a block Toeplitz operator. By using this representation we present some numerical and experimental results connecting to the shape of the numerical ranges of such operators. We also consider the following conjecture, posed in 2000 by P. Bourdon and J. Shapiro: "The numerical range is not a disc", and we give a positive answer to this conjecture. (Received August 12, 2016)