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I attended the 22nd International Workshop on Operator Theory and its Applications in Seville, Spain from July 3th-9th 2011. I presented co-authored paper entitled "*The inverse of positive definite two-level Toeplitz operator matrix*". This paper was published in the Journal of Operator Theory: Advances and Applications. In this paper we developed a new formula for the inverse of a Two-level Toeplitz matrix with a symbol that comes from Bernstein-Szego weight function. This new result is a two-variable generalization of the classical Gohberg-Semencul formula. This new formula is implemented in Matlab as well.

I had the opportunity to meet a number of individuals from a variety of international academic institutions. The connection I made with other mathematicians in the field is the most important benefit I received from attending the conference. I was very pleased to receive questions and feedback about my results. Also, I was told new directions and techniques for future research project. I am looking forward to receiving some feedback and constructive criticism from researchers who in fact find my work useful in applied problems. Attending the 22nd IWOTA 2011 in Spain gave me a great opportunity to

meet experts in the community as well as present my research in a forum where I discovered new direction in my research. I was also pleased to be able to listen to many interesting talks which motivated me to start a new paper called “ Zero Product of Two-level Toeplitz Operators” and received valuable comments and recommendation in this direction. I am looking forward to attend this conference again and very thankful to the office of International Programs for awarding me an international Travel award and very pleased to have represented Drexel University at the international conference.

Best Regards,

Selcuk Koyuncu

