TRUNCATED TOEPLITZ OPERATORS AND RELATED PROBLEMS

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ABSTRACT. The truncated Toeplitz operators, shortly named TTO, are compressions to the Model spaces of the Toeplitz operators of the Hardy space H^2. This family of operators was first systematically studied by Prof. D. Sarason in [S].

In this talk, I will fix my attention on the following problem: for which Model spaces the bounded TTO's correspond to compressions of bounded Toeplitz operators. This problem has already been investigated by Prof. A. Baranov, R. Bessonov and V. Kapustin in [BBK].

Finally, I will also briefly talk about the bounded Toeplitz operators in the Paley-Wiener spaces and how these operators can be used for the characterization of the dual of the 1-Bernstein space.

REFERENCES

[S] D. Sarason, *Algebraic properties of truncated Toeplitz operators*, Oper. Matrices **1-4** (2007).

[BBK] A.Baranov, R.Bessonov, V.Kapustin, *Symbols of truncated Toeplitz operators*, J.Funct.Anal. **261-12** (2011).

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