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*Generalized multipliers for left-invertible analytic operators*

A left-invertible analytic operator  $T$  can be seen as a multiplication operator by an independent variable on a space of analytic functions with values in kernel of the adjoint  $\ker T^*$  of the given operator  $T$ . We define generalized multipliers for  $T$  as "analytic" sequences, whose coefficients are bounded operators on  $\ker T^*$ . The generalized multipliers form a Banach algebra and characterize the commutant of the left-invertible analytic operator.

Joint work with Piotr Dymek and Artur Płaneta.