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Boundary tuples, m-dissipative Maxwell operators, and applications to Leontovich boundary conditions

Motivated by modeling of leaky optical cavities, we give a description of
all m-dissipative boundary conditions for Maxwell operators in Lipschitz domains.
If time allows us, it is planned to show applications of this description
to Leontovich and generalized impedance boundary conditions, as well as
to the cases of degenerate and random impedance coefficients.
The talk is based on a joint research with Matthias Eller,
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