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Boundary Value Problems for Elliptic Systems in the Upper-Half Space.

In this talk I will survey results obtained in joint work with Jose Maria Martell, Irina Mitrea, and Marius Mitrea, regarding boundary value problems and Fatou type theorems for second-order, constant complex coefficient elliptic systems in \mathbb{R}_+^n . Spaces of boundary data I will consider include Lebesgue spaces, Muckenhoupt weighted Lebesgue spaces, spaces of functions with bounded mean oscillations, spaces of functions with vanishing mean oscillations, and spaces of functions exhibiting subcritical growth. (Received September 03, 2018)