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   Sommario/riassunto The purpose of this book is twofold. Our starting point is the design of
                      layered media with a prescribed reflection coefficient. In the first part
                      of this book we show that the space of physically realizable reflection
                      coefficients is rather restricted by a number of properties. In the
                      second part we consider a constrained approximation problem in Hardy
                      spaces. This can be viewed as an optimization problem for the
                      frequency response of a causal LTI system with limited gain.