

Hardy Spaces of Fuchsian Groups

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Abstract: Functional models of almost periodic Jacobi matrices and Schrodinger operators depend on existence of the automorphic Hardy spaces for the corresponding Fuchsian groups in the unit disk and in the upper half-plane, respectively. In the first case the necessary and sufficient conditions for that were given by H. Widom and Ch. Pommerenke. We establish the conditions for the second case.