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## Hardy Classes On Riemann Surfaces

**on some lebesgue and hardy vector classes - longdom** - vector classes  $l_p(x)$  and  $h_p(x)$  are considered, where  $x$  is a ba-nach space. these classes are the generalizations of similar lebesgue and hardy classes in scalar case. two different definitions for hardy class are given, and their equivalence is proved. riemann boundary value problems in different formulations are considered. under certain **on an application of the hardy classes to the riemann zeta ...** - turk j math 25 (2001) , 545 { 551. c tub'' itak\_ on an application of the hardy classes to the riemann zeta-function k. ilgar ero glu and iossif v. ostrovskii **on a special nonhomogeneous riemann problem in generalized ...** - we study the solvability of nonhomogeneous riemann problem in generalized hardy classes with the variable rate of summability. it should be noted that noetherness of the riemann problem in the weighted generalized hardy classes is studied in [33]. 2 needful information we will use the standard notation.  $z$  will be the set of all integers;  $r$  will **a concise course in complex analysis and riemann surfaces** - hardy classes of harmonic functions 53 3. almost everywhere convergence to the boundary data 55 4. problems 58 chapter 4. riemann surfaces: definitions, examples, basic properties 63 1. the basic definitions 63 2. examples 64 3. functions on riemann surfaces 67 4. degree and genus 69 5. riemann surfaces as quotients 70 **riemann boundary value problems in generalized weighted ...** - homogeneous riemann problem with the right side from the generalized weighted lebesgue space is studied. it should be noted that in [25] the noetherness of riemann problem is studied in generalized weighted hardy classes with power weight. 2010 mathematics subject classi cation. 30e25, 30d55, 30b60, 42c15, 46a35. key words and phrases. **a concise course in complex analysis and riemann surfaces** - 2. hardy classes of harmonic functions 60 3. almost everywhere convergence to the boundary data 62 chapter 4. riemann surfaces: deflnitions, examples, basic properties 67 1. the deflnition and examples 67 2. functions on riemann surfaces 70 3. degree and genus 72 4. riemann surfaces as quotients 73 5. elliptic functions 76 chapter 5. **on the solvability of the riemann boundary value problem ...** - in this work, we consider the riemann boundary value problem in morrey-type hardy spaces. we study the solvability of this problem and construct a general solution for both homogeneous and nonhomogeneous problems under some conditions on the coffit of the problem. note that in [1] we treated the morrey{hardy and morrey{lebesgue classes. **removable singularities for «harmonic functions and hardy ...** - and hardy classes in polydiscs david singman abstract. let  $\phi$  be any strongly convex function. for an open subset  $g$  of a polydisc  $u^n$  the hardy class  $h_p(g)$  is the set of analytic functions/on  $g$  for which ... heins, hardy classes on riemann surfaces. lecture notes in math., vol. 98, springer-verlag. **the martin boundary action of gromov hyperbolic covering ...** - for many purposes. the hardy class  $h_p(x), 0$