

学校编码: 10384

分类号_____密级_____

学号: 25220071151321

UDC_____

厦 门 大 学

硕 士 学 位 论 文

基于环境要素分析
建构厦门大学滨海校园空间的
设计研究

The Design Research of Constructing of Seaside Space
By Xiamen University Base on Analyzing on The Elements
of The Environment

辜克威

指导教师姓名: 罗 林 教 授

专 业 名 称: 建筑设计及其理论

论文提交日期: 2012 年 5 月

论文答辩时间: 2012 年 6 月

学位授予日期: 2012 年 月

答辩委员会主席: _____

评 阅 人: _____

2012 年 5 月

厦门大学博硕士论文摘要库

厦门大学学位论文原创性声明

本人呈交的学位论文是本人在导师指导下,独立完成的研究成果。本人在论文写作中参考其他个人或集体已经发表的研究成果,均在文中以适当方式明确标明,并符合法律规范和《厦门大学研究生学术活动规范(试行)》。

另外,该学位论文为()课题(组)的研究成果,获得()课题(组)经费或实验室的资助,在()实验室完成。(请在以上括号内填写课题或课题组负责人或实验室名称,未有此项声明内容的,可以不作特别声明。)

声明人(签名):

年 月 日

厦门大学博硕士学位论文摘要库

厦门大学学位论文著作权使用声明

本人同意厦门大学根据《中华人民共和国学位条例暂行实施办法》等规定保留和使用此学位论文，并向主管部门或其指定机构送交学位论文（包括纸质版和电子版），允许学位论文进入厦门大学图书馆及其数据库被查阅、借阅。本人同意厦门大学将学位论文加入全国博士、硕士学位论文共建单位数据库进行检索，将学位论文的标题和摘要汇编出版，采用影印、缩印或者其它方式合理复制学位论文。

本学位论文属于：

1. 经厦门大学保密委员会审查核定的保密学位论文，于 年 月 日解密，解密后适用上述授权。

2. 不保密，适用上述授权。

（请在以上相应括号内打“√”或填上相应内容。保密学位论文应是已经厦门大学保密委员会审定过的学位论文，未经厦门大学保密委员会审定的学位论文均为公开学位论文。此声明栏不填写的，默认为公开学位论文，均适用上述授权。）

声明人（签名）：

年 月

厦门大学博硕士学位论文摘要库

摘 要

建筑空间环境的建构过程中，受到众多自然、人工与人文环境要素的制约和影响。针对不同环境要素的分析与总结，有助于理解环境的基本结构与原理。图解是一种基本的设计分析方法，具有简洁抽象的特点。通过图解环境要素分析，可以获得对环境敏锐的感知力和理性的分析方法，从而揭示建筑空间建构与环境的内在关联。

本课题是基于环境要素分析图解的设计研究，主要以厦门大学滨海校园空间为设计研究对象，通过图解环境要素的分析方法，研究厦门大学滨海校园空间环境的历史演变及现状，进而展开对厦门大学滨海校园空间的设计研究。

论文大致分为三个部分：

第一部分为第一章绪论，阐明论文研究背景、选题目的及意义，提出基于环境要素分析建构厦门大学滨海校园空间的设计研究计划，并介绍相关的基本概念及其研究现状，阐述论文的研究内容、方法及研究框架。

第二部分为第二章，通过对相关环境分析、图解理论进行总结和归纳，结合相应的图解设计案例的分析研究，总结出一种基于环境要素分析的图解设计研究方法，为第三部分的厦门大学滨海校园空间的设计研究提供理论依据。

第三部分为第三、四、五章，为论文核心部分。第三章通过对厦门大学滨海校园空间环境的历史演变与现状进行图解分析，提出厦门大学滨海校园空间环境现状存在的问题与面临的挑战。第四、五章是厦门大学滨海校园空间建构的设计研究部分，主要是从整体到局部进行研究。第四章是厦门大学滨海校园总体空间建构的设计研究，第五章则是根据滨海校园三个不同片区所面临的具体环境问题所展开的设计研究，包括演武运动场片区、白城片区和海滨文科群片区。第五章的小结为全文的总结，归纳了厦门大学滨海校园的设计研究方法，以期为厦门大学滨海校园更新提供有益的借鉴，也为城市滨海及滨水空间未来的设计实践提供有意义的参考。

关键词：环境要素 图解方法 厦门大学滨海校园空间

Abstract

In the process of Architectural Environment construction, the architecture are restricted by many nature factors, human factors, and historical factors. It is helpful that we focus on different environmental factors to analysis and to summary, for the better understanding of the basic construction and principle. Graphic explanation is the most fundamental method to analysis the design, which is a method of both simple and abstract. By graphic illustrating on the environmental factors, we can acquire those most acute and reasonable methods in order to reveal the inner relation between architecture space and its environment, or we say, the context.

This paper is doing research by analyzing on the environmental factors. It mainly focus on the seaside space of Xiamen University, with the method of graphic illustration, to research on the seaside space by Xiamen University, including its current situation and its historic evolution.

This paper is of three parts:

The first part is the introduction. This part tries to reveal the background of the research, the purpose of such research and the meaning of the research. This paper proposes a research scheme to illustrate how to make the analysis on the seaside space by Xiamen University. And it also introduces the basic concepts and the current research situation, to illustrate the content, the method and the research framework in this paper.

The second section is the second chapter. By a series of analyzing on the related environment, and the illustration of the graphics, it tries to summary a design method which is base on the research of architectural environment. This part is provides the third part with theoretical basis to illustrate the design results of seaside space by Xiamen University.

The third part in this paper is chapter 3, chapter4, and chapter 5. It is also the core section. This part suggests a series of current problems and the challenges, by those research works including graphic illustration on the seaside space by Xiamen

University, graphic illustration on its historic evolution. The fourth part and the fifth part propose the possible schemes of the seaside space by Xiamen University, from the whole one to the details.

Chapter 5 is, further, to do research on the four parts by seaside space around, including Yanwu sports area, Baicheng area and the arts buildings. The summary in Chapter five are the summary of the whole paper, and it summarizes the research method of seaside space by Xiamen University, in order to provide a useful support for the further research on the seaside space by Xiamen University, as long as to provide the future scheme research on such areas with a meaningful and practice reference.

Keywords: environmental factors, graphic illustration method, the construction of seaside space by Xiamen University

目 录

第一章. 绪 论	1
1.1 研究背景与意义	1
1.1.1 基于环境要素分析的设计图解	1
1.1.2 厦门大学滨海校园空间更新发展需求	2
1.2 基本概念	3
1.2.1 环境要素	3
1.2.2 图解	4
1.2.3 厦门大学滨海校园空间	5
1.3 研究动态	6
1.3.1 关于环境要素	6
1.3.2 关于图解	8
1.3.3 关于厦门大学滨海校园空间	9
1.4 研究方法与研究框架	10
1.4.1 研究方法	10
1.4.2 研究框架	11
1.5 小结	12
第二章. 基于环境要素分析的设计图解	13
2.1 环境分析相关理论	13
2.1.1 基于实体环境分析的理论	13
2.1.2 基于环境知觉与人类行为的理论	13
2.2 环境要素的构成与特征	14
2.2.1 自然环境要素	15
2.2.2 人工环境要素	17
2.2.3 人文环境要素	21
2.3 设计图解	26
2.3.1 设计图解	26
2.3.2 设计图解的基本属性和功能	26

2.3.3 图解环境要素的分析方法.....	27
2.4 基于环境要素分析的设计图解案例.....	33
2.4.1 基于自然环境要素分析的设计图解案例.....	33
2.4.2 基于人工环境要素分析的设计图解案例.....	37
2.4.3 基于人文环境要素分析的设计图解案例.....	42
2.5 小结.....	46
第三章. 厦门大学滨海校园空间环境溯源与现状图解.....	47
3.1 厦门大学滨海校园空间环境溯源.....	47
3.1.1 滨海校园空间的形成（1921-1961）.....	47
3.1.2 滨海校园空间的发展（1962-1990）.....	52
3.1.3 滨海校园空间的整合（1990- ）.....	55
3.2 厦门大学滨海校园空间环境现状分析图解.....	56
3.2.1 基于自然要素的分析图解.....	56
3.2.2 基于人工要素的分析图解.....	58
3.2.3 基于人文要素的分析图解.....	72
3.3 小结.....	79
第四章. 厦门大学滨海校园空间建构总体概念设计研究.....	80
4.1 厦门大学滨海校园空间环境建构理念.....	80
4.1.1 整体性设计.....	80
4.1.2 场所精神的塑造.....	81
4.1.3 历史文脉的延续.....	82
4.2 厦门大学滨海校园空间总体环境的图解与建构.....	82
4.2.1 调整环境功能布局.....	83
4.2.2 重构环境空间结构.....	84
4.2.3 重塑环境场所精神.....	86
4.3 小结.....	86
第五章. 厦门大学滨海校园空间建构分片区概念设计研究.....	98
5.1 环境的还原——演武运动场片区.....	98

5.1.1 关于环境的还原.....	98
5.1.2 演武运动场片区环境要素分析图解.....	99
5.1.3 还原环境的历史记忆——演武运动场改造设计图解研究.....	106
5.2 环境的修复——白城片区.....	115
5.2.1 关于环境的修复.....	115
5.2.2 白城片区环境要素分析图解.....	116
5.2.3 修复环境场所——白城校门及市场综合楼建筑设计图解研究... ..	121
5.2.4 修复环境肌理——白城文科群建筑设计图解研究.....	130
5.3 环境的整合——海滨文科群片区.....	142
5.3.1 关于环境的整合.....	142
5.3.2 环境文脉的延续——管理学院建筑设计图解研究.....	144
5.3.3 混乱环境中的秩序重构——政法学院扩建设计图解研究.....	164
5.3.4 既有环境的有机生长——艺术学院扩建设计图解研究.....	177
5.4 小结.....	204
参考文献.....	205
后 记.....	211

CONTENTS

Chapter 1 Introduction	1
1.1 Research Background and Meaning	1
1.1.1 Graphic Illustration Base on Environmental Elements.....	1
1.1.2 Update and Development Needs of Seaside Space by Xiamen University.....	2
1.2 Basic Concept	3
1.2.1 Environmental Elements	3
1.2.2 Graphic Illustration	4
1.2.3 Seaside Space by Xiamen Universit	5
1.3 Research Dynamic	6
1.3.1 About Environmental Elements	6
1.3.2 About Graphic Illustration	8
1.3.3 About Seaside Space by Xiamen University	9
1.4 Research Method and Thesis Frame	10
1.4.1 Research Method	10
1.4.2 Thesis Frame.....	11
1.5 Summary	12
Chapter 2 Graphic Illustration Base on Environmental Elements	13
2.1 Correlation Theory of Environmental Analysis	13
2.1.1 Theory Base on Entity Environmental Analysis.....	13
2.1.2 Theory Base on Environmental Consciousness and Human Behavior.	13
2.2 Structure and Characteristics of Environmental Elements	14
2.2.1 Nature Environment Elements	15
2.2.2 Artificial Environment Element.....	17
2.2.3 Humanistic Environment Element	21
2.3 Graphic Illustration	26
2.3.1 Graphic Illustration	26
2.3.2 Basic Properties and Function of Graphic Illustration.....	26

2.3.3 Analytical Method of Environment Element Graphic Illustration.....	27
2.4 Case Study of Graphic Illustration Base on Environment Element	33
2.4.1 Case Study of Graphic Illustration Base on Nature Environment Elements.....	33
2.4.2 Case Study of Graphic Illustration Base on Artificial Environment Element	37
2.4.3 Case Study of Graphic Illustration Base on Humanistic Environment Element	41
2.5 Summary	45
Chapter 3 Environment Traceability and Current Situation Graphic Illustration of Seaside Space by Xiamen University.....	46
3.1 Environment Traceability of Seaside Space by Xiamen University.....	46
3.1.1 Formation of Seaside Space by Xiamen University (1921-1961)	46
3.1.2 Development of Seaside sSpace by Xiamen University (1962-1990)	51
3.1.3 Integration of Seaside Space by Xiamen University (1990-) ...	54
3.2 Current Situation Graphic Illustration of Seaside Space by Xiamen University.....	55
3.2.1 Graphic Illustration Base on Nature Environment Elements.....	55
3.2.2 Graphic Illustration Base on Nature Environment Elements.....	57
3.2.3 Graphic Illustration Base on Humanistic Environment Element.....	71
3.3 Summary.....	78
Chapter 4 The Overall Concept Design Research of Seaside Space by Xiamen University.....	79
4.1 Environment Construction Concept of Seaside Space by Xiamen University.....	79
4.1.1 Overall Design	79
4.1.2 Creation of Spirit of Place.....	80
4.1.3 Continuation of the Historical Context	81

4.2 Graphic Illustration and Construction of General Environment of Seaside Space by Xiamen University	81
4.2.1 Adjust the Function Layout of Environment	82
4.2.2 Reconstruct Space Structure of Environment	83
4.2.3 Remould Spirit of Place of Environment.....	85
4.3 Summary	85
Chapter 5 Concept Design Research of Division of Seaside Space by Xiamen University	97
5.1 Reduction of Environment-- Yanwu Playground District	97
5.1.1 About Reduction of Environment	97
5.1.2 Graphic Illustration of Environmental Elements of Yanwu Playground District.....	98
5.1.3 Reductive Historical Memory of Environment--Graphic Illustration of Yanwu Playground Reconstruction.....	105
5.2 Repair of Environment--Baicheng District	113
5.2.1 About Repair of Environment.....	113
5.2.2 Graphic Illustration of Environmental Elements of Baicheng District	114
5.2.3 Repair Environmental Place-- Graphic Illustration of Baicheng School Gate and Market Building.....	119
5.2.4 Repair Environment Texture--Graphic Illustration of Baicheng Liberal Arts Group Building Design	128
5.3 Integration of Environment--Liberal Arts Group District in Seaside ...	140
5.3.1 About Environment Integration	140
5.3.2 Continuation of the Environment Context--Graphic Illustration of Design of Management School.....	142
5.3.3 Order-reconstitution in Disordered Environment--Graphic Illustration of Extension Design of Political Science and Law School.....	157
5.3.4 Organically Grown of Existing Environment--Graphic Illustration of Extension Design of the Arts School	169

5.4 Summary	186
Reference	187

厦门大学博硕士学位论文摘要库

Degree papers are in the "[Xiamen University Electronic Theses and Dissertations Database](#)". Full texts are available in the following ways:

1. If your library is a CALIS member libraries, please log on <http://etd.calis.edu.cn/> and submit requests online, or consult the interlibrary loan department in your library.
2. For users of non-CALIS member libraries, please mail to etd@xmu.edu.cn for delivery details.

厦门大学博硕士论文摘要库