

数学与统计学院  
2023 ~ 2024学年度第一学期期末考试  
《泛函分析》A卷答题试纸  
(答题纸共3页, 答题时间120分钟)

专业: \_\_\_\_\_ 班级: \_\_\_\_\_ 姓名: \_\_\_\_\_

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                             |                             |                             |                                             |  |  |  |  |  |  |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------------------------|-----------------------------|---------------------------------------------|--|--|--|--|--|--|
| 注意<br>事项 | 1. 严格按照题号, 在对应答题区域作答, 超出区域的答案无效。                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 学号(*必填项*)                                   |                             |                             |                                             |  |  |  |  |  |  |
|          | 2. 禁止填涂答题纸四角识别码。                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                             |                             |                             |                                             |  |  |  |  |  |  |
|          | 3. 保持卷面清洁, 不要装订、折叠、破损。                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | [0] [0] [0] [0] [0] [0] [0] [0] [0] [0] [0] |                             |                             |                                             |  |  |  |  |  |  |
|          | 4. 答题前先填涂学号, 书写姓名等信息。                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | [1] [1] [1] [1] [1] [1] [1] [1] [1] [1] [1] |                             |                             |                                             |  |  |  |  |  |  |
|          | 5. 客观题使用2B铅笔填涂。                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | [2] [2] [2] [2] [2] [2] [2] [2] [2] [2] [2] |                             |                             |                                             |  |  |  |  |  |  |
| 填涂       | 正确填涂:  错误填涂:      | [3] [3] [3] [3] [3] [3] [3] [3] [3] [3] [3] |                             |                             |                                             |  |  |  |  |  |  |
|          | 考生禁填                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 缺考 <input type="checkbox"/>                 | 作弊 <input type="checkbox"/> | 违纪 <input type="checkbox"/> | [4] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4] |  |  |  |  |  |  |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | [5] [5] [5] [5] [5] [5] [5] [5] [5] [5] [5] |                             |                             |                                             |  |  |  |  |  |  |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | [6] [6] [6] [6] [6] [6] [6] [6] [6] [6] [6] |                             |                             |                                             |  |  |  |  |  |  |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | [7] [7] [7] [7] [7] [7] [7] [7] [7] [7] [7] |                             |                             |                                             |  |  |  |  |  |  |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | [8] [8] [8] [8] [8] [8] [8] [8] [8] [8] [8] |                             |                             |                                             |  |  |  |  |  |  |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | [9] [9] [9] [9] [9] [9] [9] [9] [9] [9] [9] |                             |                             |                                             |  |  |  |  |  |  |

一、单选题 (每题2分, 共20分)

1. [A] [B] [C] [D]

2. [A] [B] [C] [D]

3. [A] [B] [C] [D]

4. [A] [B] [C] [D]

5. [A] [B] [C] [D]
6. [A] [B] [C] [D]

7. [A] [B] [C] [D]

8. [A] [B] [C] [D]

9. [A] [B] [C] [D]

10. [A] [B] [C] [D]

二、填空题 (共10分)

1.(2分)

2.(2分)

3.(2分)

4.(2分)

5.(2分)



### 三、判断题（每题2分，共10分）

1. [T] [F]
2. [T] [F]
3. [T] [F]
4. [T] [F]
5. [T] [F]

### 四、计算题（共10分）

1. (10分)

### 五、证明题（共50分）

1. (10分)

2. (10分)





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3. (10分)

4. (10分)

5. (10分)

