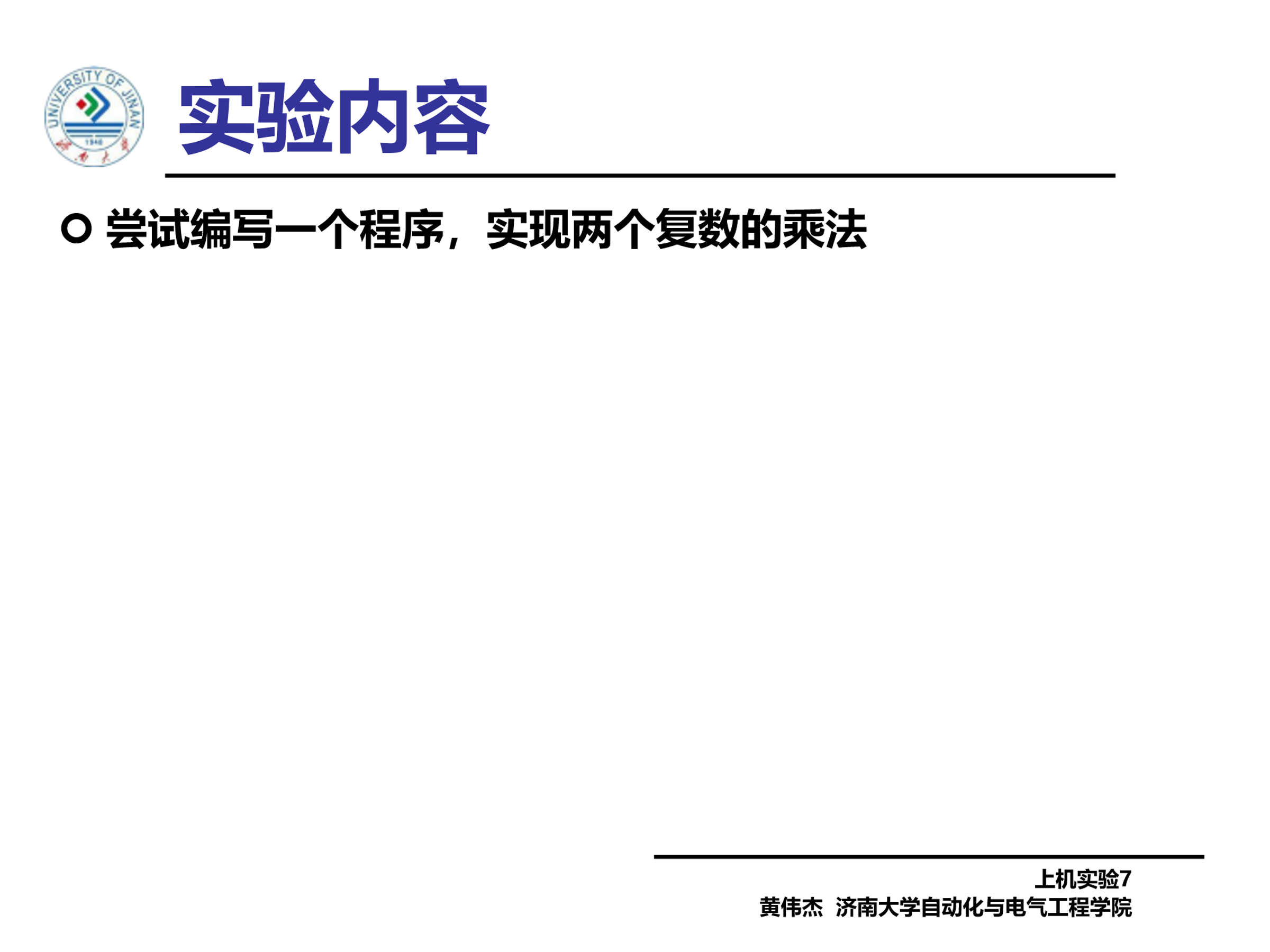
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**实验要求：**



**程序：**

#include<iostream>

using namespace std;

class Complex {

public:

double real;

double imag;

Complex(double r = 0, double i = 0)

{

real = r; imag = i;

}

};

Complex operator\*(Complex co1, Complex co2)

{

Complex temp;

temp.real = co1.real \* co2.real - co1.imag \* co2.imag;

temp.imag = co1.imag \* co2.real + co2.imag \* co1.real;

return temp;

}

int main()

{

cout << "请分别输入两个复数的实部和虚部。" << endl;

double x[2], y[2];

cin >> x[0] >> y[0] >> x[1] >> y[1];

Complex com1(x[0], y[0]), com2(x[1], y[1]), total;

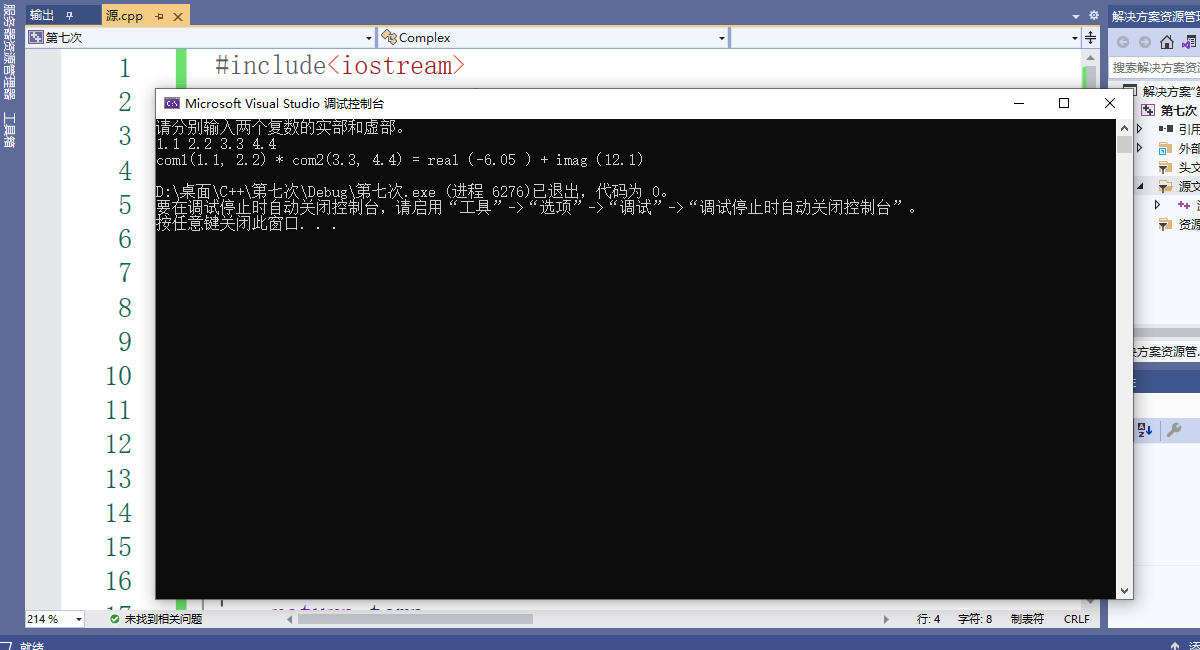
total = com1 \* com2;

cout << "com1(1.1, 2.2) \* com2(3.3, 4.4) = real（" << total.real << " " << "）+ imag（" << total.imag << "）" << endl;

return 0;

}

**实验程序输出结果：**



**心得体会：**

多次编译均出现错误：输出复数相乘结果不对。这次上机实验主要是掌握c++语言多态性的基本概念和运算符重载函数的声明和定义方法。

这是最后一次上机，感觉越来越难，现在是一点思路都没有，c++太难学了，如果自己写，我应该是写不出来，只有借助一些知识才能写的出来。