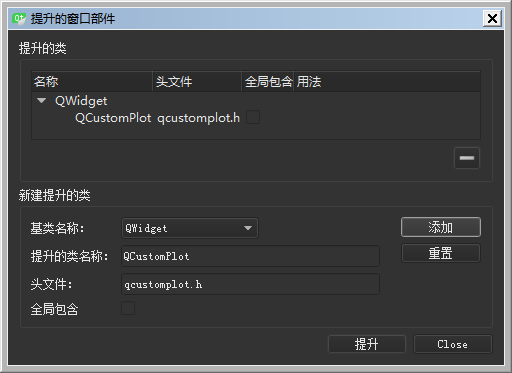
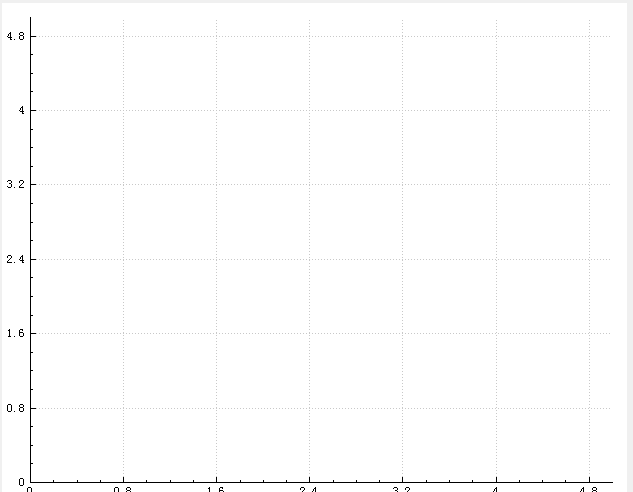
将封装好的qcustomplot.h和qcustomplot.cpp添加到你的项目文件中

在你的ui文件中加widget控件，右键点击提升,提升的类名称QCustomPlot，点击添加，提升，如下图所示



这个时候运行就会出来一个直角坐标系了



**设置坐标轴显示范围**

ui->customPlot->xAxis->setRange(-5.5,5.5); ui->customPlot->yAxis->setRange(0,5.1);

**添加图像**

ui->customPlot->addGraph();

**设置线风格**

ui->customPlot->graph(0)->setLineStyle(QCPGraph::*lsNone*);

**线的五种风格**

lsLine，lsNone，lsStepLeft，lsStepRight，lsStepCenter，lsImpulse

**设置画笔颜色**

ui->customPlot->graph(0)->setPen(QColor(255,10,0));

**设置以点的形式显示**

ui->customPlot->graph(0)->setScatterStyle(QCPScatterStyle(QCPScatterStyle::*ssDisc*,20));

**点的十八种风格**ssNone,ssDot ,ssCross ,ssPlus ,ssCircle ,ssDisc ,ssSquare ,ssDiamond ,ssStar ,ssTriangle ,ssTriangleInverted ,ssCrossSquare ,ssPlusSquare ,ssCrossCircle ,ssPlusCircle ,ssPeace ,ssPixmap ,ssCustom

**添加数据**

ui->customPlot->graph(0)->addData(0.9,0);

**设置数据，使用QVector**

QVector<double>X;

QVector<double>Y;

X.resize(1);

Y.resize(1);

ui->customPlot->graph(0)->setData(X,Y);

**坐标轴设置文字**

ui->customPlot->xAxis->setLabel("(单位:ms)");

ui->customPlot->yAxis->setLabel("(单位:db)");

**坐标轴设置文字颜色**

ui->customPlot->xAxis->setLabelColor(TextColor);

ui->customPlot->yAxis->setLabelColor(TextColor);

**坐标轴设置颜色**

ui->customPlot->xAxis->setTickLabelColor(TextColor);

ui->customPlot->yAxis->setTickLabelColor(TextColor);

**设置图例图标大小**

ui->customPlot->legend->setIconSize(0,0);

**设置图例文字颜色**

ui->customPlot->legend->setTextColor(TextColor);//设置图例文字颜色

**设置图例是否可用**

ui->customPlot->legend->setVisible(false); //设置图例是否可用

**在图例中添加线**

ui->customPlot->axisRect()->setupFullAxesBox();

**将图例矩形域放到右上角**

ui->customPlot->axisRect()->insetLayout()->setInsetAlignment(0,Qt::*AlignTop*|Qt::*AlignRight*);

**设置图例背景色**

ui->customPlot->legend->setBrush(QColor(255,255,255,0));//设置背景色

**设置画布背景色**

QLinearGradient plotGradient;

plotGradient.setStart(0, 0);

plotGradient.setFinalStop(0, 350);

plotGradient.setColorAt(0, QColor(80, 80, 80));

plotGradient.setColorAt(1, QColor(50, 50, 50));

ui->customPlot->setBackground(plotGradient);

**显示为四周坐标框**

ui->customPlot->axisRect()->setupFullAxesBox(true);

**设置背景色为白色**

ui->customPlot->setBackground(Qt::*white*);

**去掉背景网格虚线**

ui->customPlot->xAxis->grid()->setVisible(false); ui->customPlot->yAxis->grid()->setVisible(false);

**设置坐标隐藏**

ui->customPlot->yAxis->setTicks(false);

ui->customPlot->xAxis->setTicks(false);

ui->customPlot->yAxis2->setTicks(false);

ui->customPlot->xAxis2->setTicks(false);

**刷新图像**

ui->customPlot->replot();