

HMChart, Demo 2

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/* Folgende Datei zum Projekt hinzufügen / Add this file to project: */
/* --> chart-windows.c (Microsoft Windows) */
/* --> chart-x11.c (für Linux u. Mac OS X) */

#include "chart.h"
#include <math.h>

#define STEPS 100
#define DELTA 0.1

int main(void)
{
    double x1[STEPS], y1[STEPS], y2[STEPS], y3[STEPS];
    int i;

    for(i = 0; i < STEPS; i++)
    {
        double x = x1[i] = i * DELTA;
        y1[i] = sin(x);
        y2[i] = cos(x);
        y3[i] = sin(x) * cos(x);
    }

    chart_line_series (STEPS, x1, y1, CHART_RED );
    chart_line_series (STEPS, x1, y2, CHART_BLUE );
    chart_point_series(STEPS, x1, y3, CHART_BLACK);

    chart_show(CHART_DEFAULT, "sin & cos");
    return 0;
}
```

