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/*-----*
* File Name: NormalizeAllYColumns.c *
* Creation: ER, 02/07/05 *
* Purpose: Programming Example *
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* *
* Modification Log: *
*-----*/

#include <Origin.h>

////////////////////////////////////
// This function normalizes the data in all Y columns, dividing the column values
// by the max value found in the column.
//
void normalize_all_y_columns()
{
    Worksheet wks = Project.ActiveLayer();
    if( !wks )
    {
        out_str("Active layer is not a worksheet!");
        return;
    }

    foreach( Column col in wks.Columns )
    {
        if( OKDATAOBJ_DESIGNATION_Y == col.GetType() )
        {
            Dataset ds(col);
            double dMin, dMax;
            ds.GetMinMax(dMin, dMax);
            ds /= dMax;
        }
    }
}
////////////////////////////////////

```