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/*-----*
 * File Name: GetSetASCIMPStructure.c *
 * Creation: ER, 01/17/05 *
 * Purpose: Programming Example *
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 * *
 * Modification Log: *
 *-----*/

#include <Origin.h>

////////////////////////////////////
// This example shows how to get and set the ASCIMP structure stored in a
// worksheet. The ASCIMP structure is used for importing by the
// "Import ASCII" and "Import Multiple ASCII" buttons/menu items.
// Note that the Import Wizard uses filters (OIF) for saving import settings.
//
void get_set_ascimp_structure()
{
    // Declare worksheet using active layer
    Worksheet wks = Project.ActiveLayer();
    if( !wks )
    {
        printf("Active layer is not a worksheet!\n");
        return;
    }

    // Get ASCIMP structure from worksheet into a tree
    ASCIMP ascimp;
    wks.GetASCIMP(ascimp);
    Tree tr;
    tr = ascimp;
    // Report settings
    out_str("Current ASCIMP settings:");
    out_tree(tr);

    // You can then directly change the ASCIMP settings
    // such as:
    ascimp.iHeaderLines = 4; // Number of header lines
    // And import a file using the changed settings with code such as:
    // wks.ImportASCII(strFile, ascimp);

    // Settings can be saved to the worksheet with code such as:
    wks.SetASCIMP(ascimp); // Save settings to worksheet

    // Note that to make the change effective for any future
    // instance of the worksheet, you will need to resave the
    // worksheet template.
}
////////////////////////////////////

```