Chapter 8.

Typedefs

Topic: Ignor

In C++, a typedef (type definition) is used to define a new data type name. Typedefs are declared using the typedef keyword. A typedef declaration does not create a new data type; it simply creates a new name for some existing type. Typedefs are useful for making programs more portable and more readable. Refer to the *3D ACIS Online Help User's Guide* for a description of the fields in the reference template.

Image_Access_Function

Typedef: Environment Maps

Purpose: Image Access Function.

Filename: rbase/rnd_husk/include/rh_args.hxx

unsigned char *result,
void *data,
int x,
int y
);

Description:

An image access function, is an application supplied function which given an x-y position and pointer to some application data, returns a color value for that position. The result is a pointer to an array of char's whose length depends upon the the no. of color channels in use. So that for 3 channels the result would be hold 3 RGB values. Image access functions are used for

creating cube environment maps.

LwConversionMethod

Typedef: Image Output

Purpose: Image conversion method type.

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Filename: rbase/rnd_husk/include/rh_types.h

Definition: typedef LwInt32 LwConversionMethod;

Description: A 32-bit, signed integer which represents an image conversion method

type.

LwDisplayMethod

Typedef: Viewing

Purpose: Image display method.

Filename: rbase/rnd_husk/include/rh_types.h

Definition: typedef LwInt32 LwDisplayMethod;

Description: A 32-bit, signed integer which represents an image display method.

LwFloat

Typedef: Image Output

Purpose: Floating point value.

Filename: rbase/rnd_husk/include/rh_types.h

Definition: typedef float LwFloat;

Description: A data type which represents a single precision floating point value.

LwInt32

Typedef: Image Output, Viewing

Purpose: 32-bit signed integer.

Filename: rbase/rnd_husk/include/rh_types.h

Definition: typedef int LwInt32;

Description: A 32-bit, signed integer which represents values in the range -2^31 to

 $(2^31) - 1.$

LwNat8

Typedef: Image Output, Viewing
Purpose: 8-bit unsigned integer.

Filename: rbase/rnd_husk/include/rh_types.h

Definition: typedef unsigned char LwNat8;

Description: An 8-bit, unsigned integer which represents values in the range 0 to 255.