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VC11HdrJoint

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The VC11HdrJoint function calculate the posit Joint for a device according to the HIGH DATA RAPPRESENTATION scheme.

IMPLEMENTATION

VC11HdrJoint (Joint,HdrType,ResultX,ResultY,ResultZ)

Parameters:

IN/OUT	VARIABLE TYPE	EXAMPLE NAME	DIM
Joint	JOINT	joint	Device JOINT
HdrType	GLOBAL CONST SYSTEM	2	B HDR viewing type
ResultX	GLOBAL	returnX	L X axis position converted
ResultY	GLOBAL	returnY	L Y axis position converted
ResultZ	GLOBAL	returnZ	L Z axis position converted

HdrType

The HDR viewing allows to center the range of units on integers values. The value is calculated by the encoder, measure and pulse is approximated to the nearest unit.

0 - Hdr disable.

1 - Hdr enable, in the central band between two units (between 0→1 the band is [0.25, 0.75]) it's shown a counter that oscillates between two values.

2 - Hdr enable

Example

jtXYZ a JOINT device with parameters

measurex: 220	pulsex: 4096	encoderx: 62296	$62296/4096*220 = 3345,97$	positz:3345
measurey: 110	pulsey: 4096	encodery: 73692	$73692/4096*110 = 1979,03$	posity:1979
measurez: 336	pulsez: 4096	encoderz: -6939	$-6939/4096*336 = -569,21$	positz:-569

VC11HdrJoint(jtXYZ,2,ResultX, ResultY, ResultZ)

returns the values ResultX = 3346 ResultY = 1979 ResultZ = -569

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