

SUBROUTINE SBCNTD

Description

This routine computes the centroid of a basin based on the grid point definition.

Calling Sequence

CALL SBCNTD (IY,IXB,IXE,NSEGS,XC,YC,LFACTR,ISTAT)

Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
IY	I	I*4	NSEGS	Array of rows of grid points within defined basin
IXB	I	I*4	NSEGS	Array of columns of leftmost grid points within defined basin
IXE	I	I*4	NSEGS	Array of columns of rightmost grid points within defined basin
NSEGS	I	I*4	1	Number of values in arrays IY, IXB and IXE
XC	O	R*4	1	X coordinate of the basin centroid
YC	O	R*4	1	Y coordinate of the basin centroid
LFACTR	I	I*4	1	Density factor for the grid point definition
ISTAT	O	I*4	1	Status code: 0 = okay 1 = error