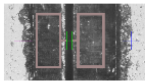PRECITEC

# *5 - S92 CALC Ablation intensity*

- ■ **Description**

Measures on the left and right side of the seam the mean intensity in the ablation zone. The therefore used "intensity" ROIs (**R**egion **O**f **I**nterest) are fix in size and linked to the seam borders.

The intensity ROIs are divided in boxes/tiles. In each box/tile the surface characteristics will be calculated and classified.

- ■ **Icon**



**5 S92 CALC Ablation intensity**

Measure left and right Intensity of ablation zone. Intensity ROIs are fix and linked to the inside ablation borders.

- ■ **Parameters**

**Filter Groups of 5 S92 CALC Ablation intensity** ◀

G00 SYS PARAMETER INITIAL SETUP Intensity

G30 Mean Intensity Ablation

G31 Local Intensity fault

G61 ROI Intensity Ablation

## G00 SYS PARAMETER INITIAL SETUP intensity



**Filters of**
**G00 SYS PARAMETER INITIAL SETUP Intensity**

- 00 ROI height left/right
- 01 ROI offset Y left/right
- 02 ROI width left
- 03 ROI offset from gap left
- 12 ROI width right
- 13 ROI offset from gap right



**Attributes of**
**00 ROI height left/right**

Number
200.000

| Parameter | Comment |
|-----------|---------|
| Number | Height of the intensity ROI left and right.<br>[Pixel] |



**Attributes of**
**01 ROI offset Y left/right**

Number
0.000

| Parameter | Comment |
|-----------|---------|
| Number | Number of pixels to shift the intensity ROI in Y direction (vertical). The center of the intensity ROI is vertically centered in the ablation ROI.<br>[Pixel] |

| Parameter | Comment |
|---|---|
| Number | Width of the left intensity ROI.<br>[Pixel] |



| Parameter | Comment |
|---|---|
| Number | Horizontal distance of the left intensity ROI from the left seam border.<br>[Pixel] |



| Parameter | Comment |
|---|---|
| Number | Width of the right intensity ROI.<br>[Pixel] |



| Parameter | Comment |
|---|---|
| Number | Horizontal distance of the right intensity ROI from the right seam border.<br>[Pixel] |

## G30 Mean Intensity Ablation





| Parameter | Comment |
|---|---|
| Filter length | Pixel resolution in X and Y for the mean intensity.<br>[Pixel] |

## G31 Local Intensity fault

| Parameter | Comment |
|---|---|
| Tiles Width | Width of a box/tile for detailed analysis. [Pixel] |
| Horizontal Jump | Horizontal distance from tile to tile. [Pixel] |
| Tiles Height | Height of the box/tile for detailed analysis. [Pixel] |
| Vertical Jump | Vertical distance from tile to tile. [Pixel] |



| Parameter | Comment |
|---|---|
| Verbosity level | Selection of verbosity level. Larger verbosity levels offer more overlay information. |
| Maximal Mean | Max. allowed mean box/tile intensity. [Greylevel] |

| Parameter | Comment |
|---|---|
| Tiles Width | Width of the box/tile for detailed analysis.<br>[Pixel] |
| Horizontal Jump | Horizontal distance from tile to tile.<br>[Pixel] |
| Tiles Height | Height of the box/tile for detailed analysis.<br>[Pixel] |
| Vertical Jump | Vertical distance from tile to tile.<br>[Pixel] |



| Parameter | Comment |
|---|---|
| Verbosity level | Selection of verbosity level. Larger verbosity levels offer more overlay information. |
| Maximal Mean | Max. allowed mean box/tile intensity.<br>[Greylevel] |

G61 ROI Intensity Ablation

**Filters of**
**G61 ROI Intensity Ablation** ◀

　01 ROI intensity left

　02 ROI intensity right

**Attributes of**
**01 ROI intensity left** ◀

Verbosity level

None ⇕

| Parameter | Comment |
|---|---|
| Verbosity level | Selection of verbosity level. Larger verbosity levels offer more overlay information. |

**Attributes of**
**02 ROI intensity right** ◀

Verbosity level

None ⇕

| Parameter | Comment |
|---|---|
| Verbosity level | Selection of verbosity level. Larger verbosity levels offer more overlay information. |

G61 ROI Intensity Ablation

- **Measured values for plotter**

| 591 | 0 … 255 | Intensity ablation left |
|-----|---------|-------------------------|
| 592 | 0 … 255 | Intensity ablation right |
| 593 | 0 … xxx | NoAblation size left |
| 594 | 0 … xxx | NoAblation size right |

- **Subgraphs interface**

**IN bridges**                          **OUT bridges**

| ◤ **image** | Img | ◤ **value** | Ablation intensity left |
|---|---|---|---|
| | | | Ablation intensity right |
| ◤ **value** | Seam pos left filtered | | |
| | Seam pos right filtered | | |
| | ROI grey valid | | |
| | ROI ablation Y | | |
| | ROI ablation H | | |

## Graph block diagram