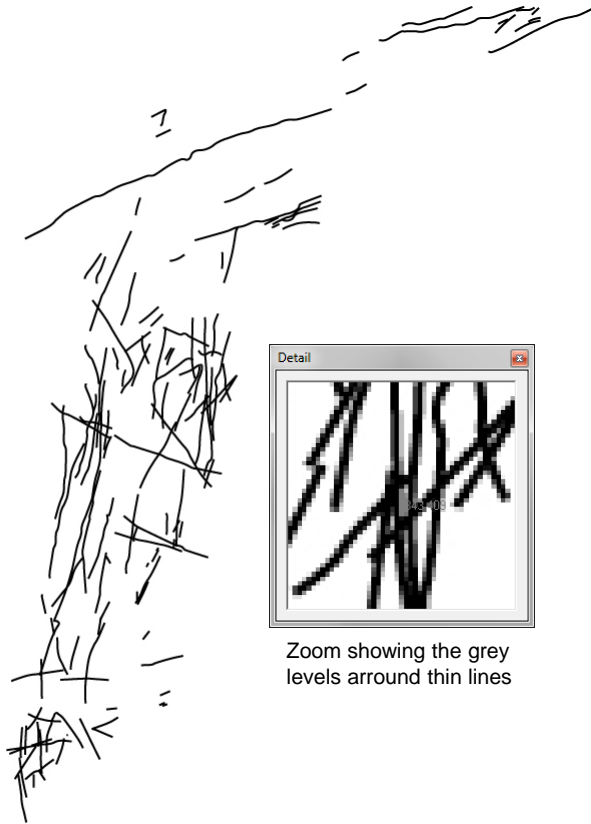
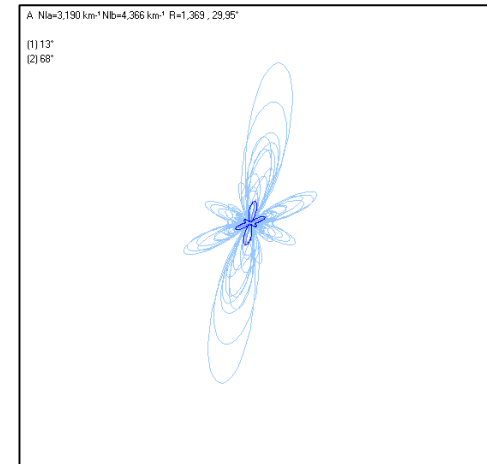


Thin lineaments or faults (no thicker than 4 pixels) must be analysed in grey level in « dark edges detection » mode



Zoom showing the grey levels around thin lines



Intercepts

File Preprocessing (phase A) Example Option Help

Image H:\VB60\Intercept2003\Granite Stante
 ITC N:\VB60\Intercept2003\Granite Stante
 Title

English
 Français

Grey level intercepts
 - dark edges of one grey phase

No. of Columns, X 748
 No. of Rows, Y 898
 Image width 1 HI 255 255

Measure unit km
 Scale bar set

748.00 km⁻¹ 0.001337 km

Image

Intercepts

File Preprocessing (phase A) Example Option Help

Grey level intercepts
 Mean grey 249.9 σ 33 H threshold 50

Phase of the mask CSD Image orientation
 X Y Z 0 +90

Step angle $\Delta \alpha$ 3
 Line int. J 1 N version

Filter size 10 1368998631

Scale 0.1 km Line width

Start count
 Hide
 Lines
 Pixels
 Fourier
 Tensor

Print Copy

Image Intercepts Frame

Fourier series analysis of intercepts

Analysed phases mask

Intercepts count envelop σ Analysis window
 Traverses roses / maximum Edges of 1 phase
 Directions Sub-directions Intercepts map V X
 Characteristic Object Caption Display all
 a x 1,

Filter size 10 pixels Version 2
 Filter 1 3 6 8 9 9 8 6 3 1 50
 Angulare Step $\Delta \alpha$ 3° Line J 1

Scales 0,00134 km / pixel 748,0 pixels / km
 Analysed area (outside mask) A_w 1,2 km²
 Modal fraction f 100,0% A_w
 Mean intercepts count C_o 3270,8
 Mean total diameter D 4,373 km
 Intercepts count / length unit N_L 3,761 km⁻¹
 Intercepts count / surf. area unit N_A 2813,340 km⁻²
 Mean length of intercepts L 0,266 km
 Perimetre, boundary length L_{Aw} 13,737 km
 Boundary density D_{Aw} 11,816 km⁻¹

Anisotropy: Copy
 Shape Ratio R 1,369 Angle ψ 29,95° short, b $\psi + \pi/2$
 $(C_0 + C_2)$ K 0,304 image stand. xx
 $(C_0 - C_2)$ R_c 1,400

Intercepts / length unit N_L 3,190 km⁻¹ 4,366 km⁻¹
 Mean length of intercepts L 0,313 km 0,229 km
 Scaled length of int. $L \times 4/\pi$ 0,399 km 0,292 km

Inertia $a_{I_{ax}}$ 4 $b_{I_{ax}}$ 4 π
 R 1,400 ψ 28,36° 0,410 km 0,293 km

C(M)

M