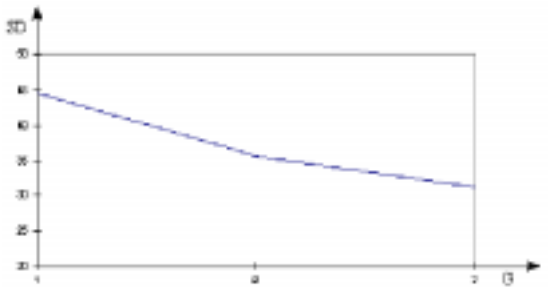

Figure 1: Behaviour of the Standard Deviation function (SD) depending on the Grain (G).

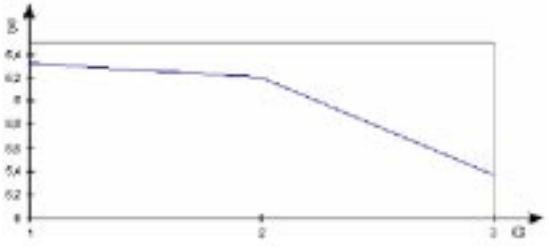

Figure 2: Behaviour of the Entropy function (E) depending on the Grain (G).

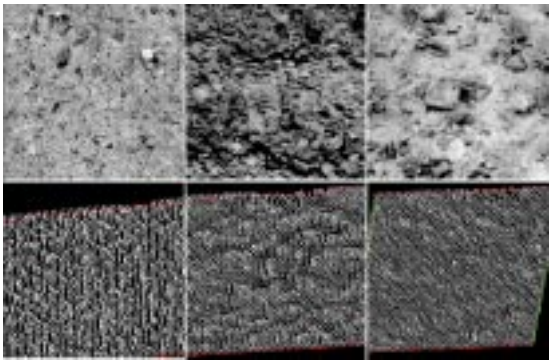

Figure 3: Normal fields visualisation for different grain pudding-stone imges: fine grain (left column), medium grain (middle column) and coarse grain (right column).

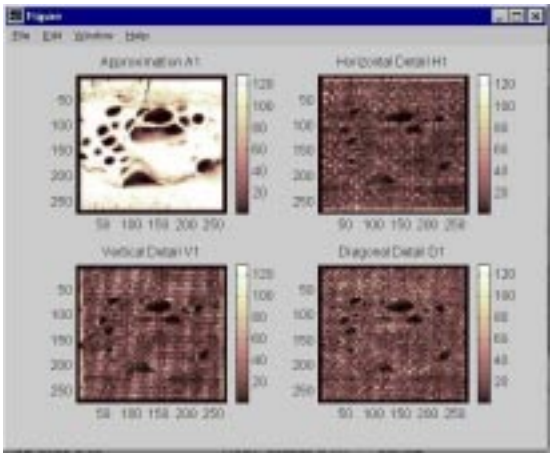

Figure 4: Extraction degradation zones relative to cavities and fissures.

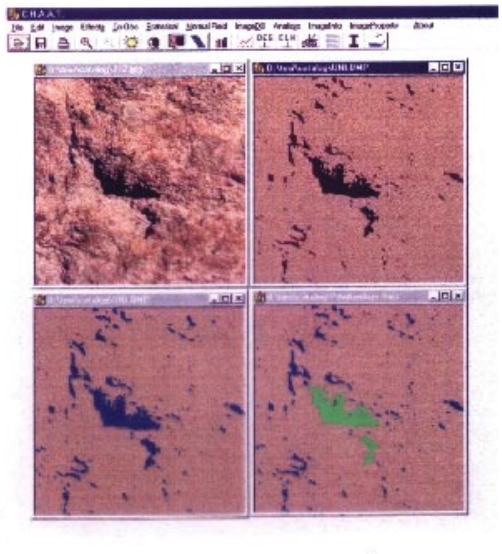

Figure 5: Lack of material analysis: original image (upper left); segmented image (upper right); region labelling (bottom left); significan region selection (bottom right).

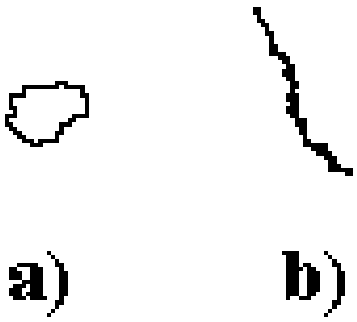

Figure 6: Two kinds of degradation belonging to the class of lack of material: a cavity (left) and a fissure (right).

Figure 7: An image of pudding-stone (gross grain)

Figure 8: Figure 21 - An image of pudding-stone (thin grain)

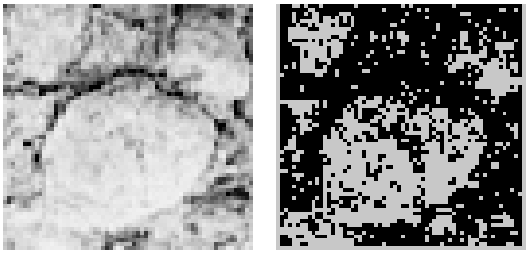

Figure 9: Extracted window and its Weak Continuity representation from a gross grain pudding-stone

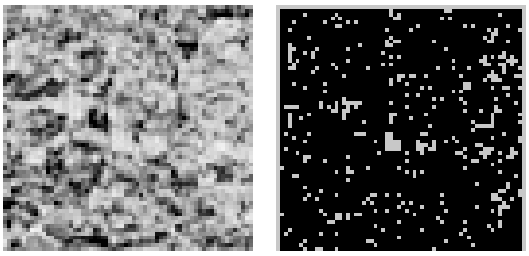

Figure 10: Extracted window and its Weak Continuity representation from thin grain pudding stone.

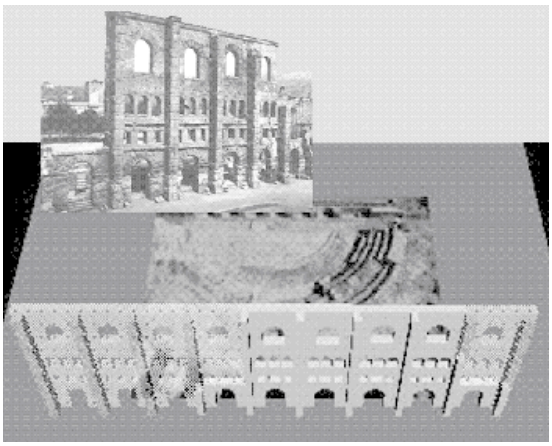

Figure 11: Base for navigation.

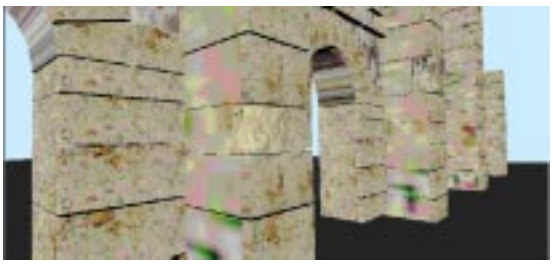

Figure 12: A case study reconstruction.

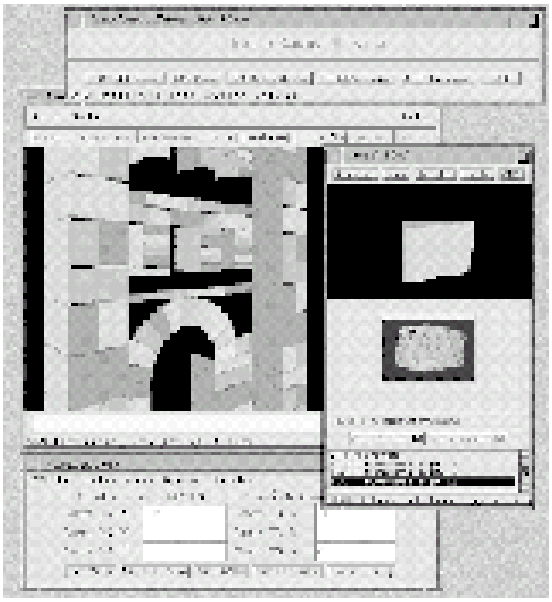

Figure 13: An impressionistic rendering.

Figure 14: A result of virtual restoration.