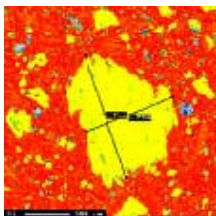


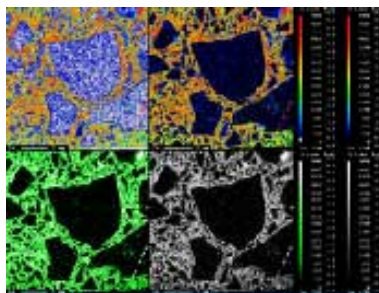
Image Processing Techniques for Mapping

JXA-8100/8200 series: Versatile visualization



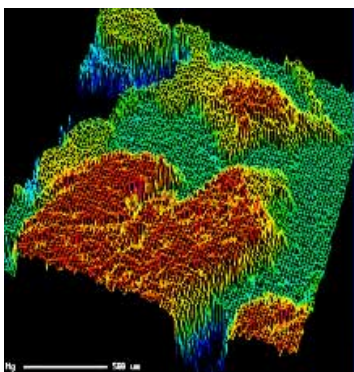
Map Analysis/Metrology

Size of Si particle measured from an X-ray image in the Map Analysis program



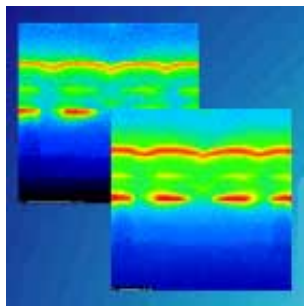
Pseudo Colors and Grayscale

X-ray image of Ca in concrete in pseudo colors and gray scale



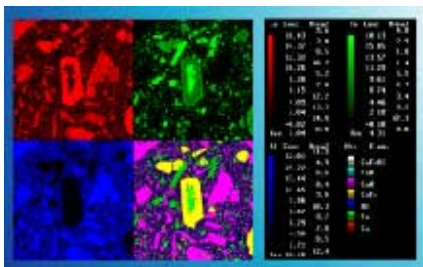
Birdseye View

3D mesh display of Mg intensities represented as height



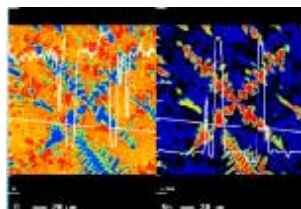
Smoothing

X-ray image of an IC cross section smoothed for enhanced S/N ratio



Composite Mapping

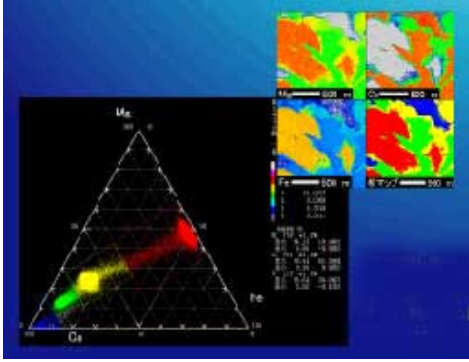
Single color maps of Fe, Ca, and Al of mineral grains and the resulting RGB phase map



Line Profiling

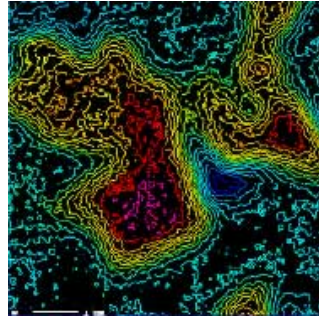
Overlapping X-ray line images and line profiles in the Map Analysis program

Electron Probe Micro Analyzer



Phase Analysis

Compositional plot of the Mg, Fe, and Ca in X-ray map data and the resulting phase map (Optional software)



Contour Display

A contour display of the X-ray image of W in a tool steel