```
In [2]:
          imdata = np.load('mandelbrot.npy')
          image = hv.Image(imdata, kdims=['Re', 'Im'], label='Mandelbrot Set', bounds=(-0.25, 1.12, 0.03, 0.84))
          image * hv.HLine(y=1) + image.sample(Im=1).relabel('Cross section')
                                         Mandelbrot Set
                                                                                              Cross section
Out[2]:
                                                                       B
                         1.10
                                                                              0.8
                         1.05
                         1.00
                       <u>E</u>
                                                                             Ν
                         0.95
                         0.90
                                                                              0.2
                         0.85
                                                                                           -0.15
                                 -0.20
                                       -0.15
                                             -0.10
                                                    -0.05
                                                                                     -0.20
                                                                                                  -0.10
                                                                                                        -0.05
                                                                                                               0.00
                                             Re
                                                                                                  Re
```