

Analyzed result with color images

The data set "grss_dfc_0002" of LANDSAT7 can be downloaded from the web site of IEEE GRSS Data Fusion Committee. The URL is "<http://www.dfc-grss.org>".

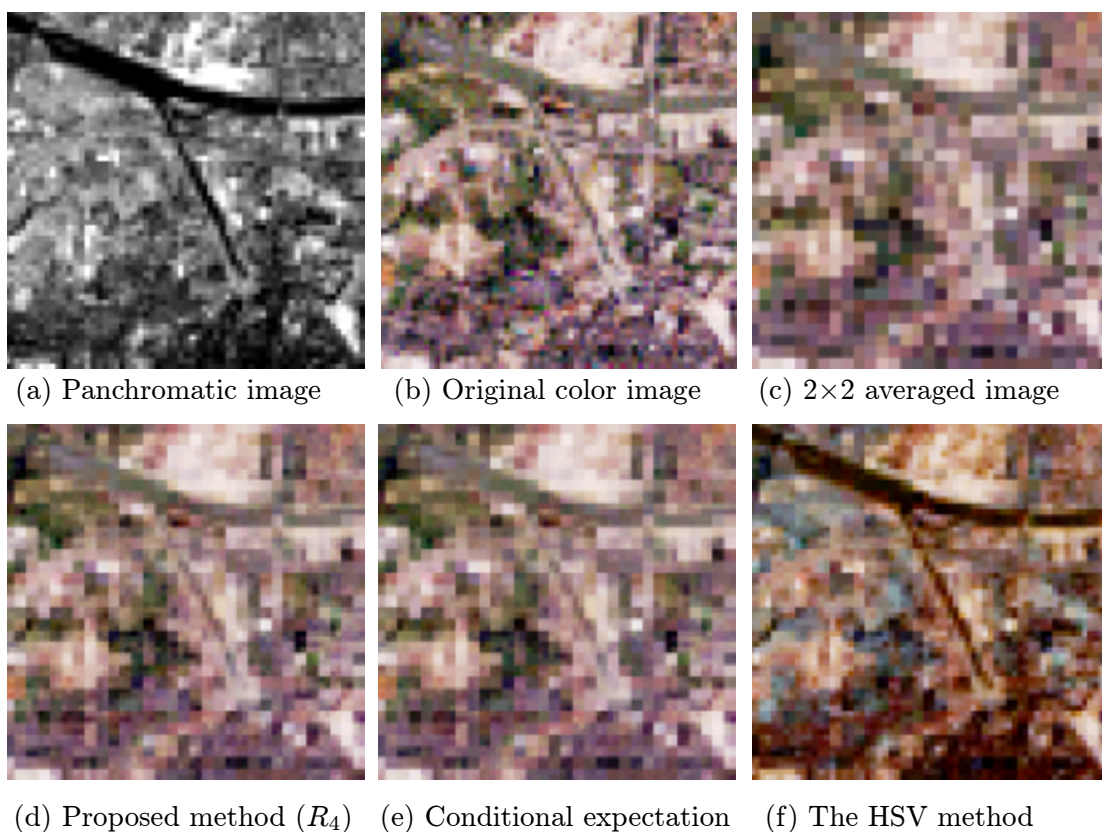


Figure 6: Data fusion of the panchromatic image (a) of size 120×120 and the low-resolution colored image (c) of size 60×60 . (c) is derived by 2×2 averaging procedure of the target 120×120 image (b). (d): correction by the proposed method with $g = 5$, $r = \sqrt{8}$, $\beta = 0.8$, (e): correction by the conditional expectation, (f): correction by the HSV method. Images (a) and (c) are LANDSAT 7 images courtesy ESA 1999 – distribution Eurimage, Hasselt, Belgium.