

**PROBLEMS IN THE FUSION OF COMMERCIAL HIGH-RESOLUTION SATELLITE  
IMAGES AS WELL AS LANDSAT 7 IMAGES AND INITIAL SOLUTIONS**

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**ABSTRACT:**

Currently available image fusion techniques are not efficient for fusing the new satellite images such as IKONOS and Landsat 7. Significant colour distortion is one of the major problems. Reasons for this distortion are analyzed in this paper. A new initial automatic solution for fusing the new images is introduced. The new solution has reached an optimum fusion result – with minimized colour distortion and maximized spatial detail.