

4D Frequency Analysis of Computational Cameras for Depth of Field Extension

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Standard lens input



Lattice-focal input



All focused image output (automatic)



Depth map output (automatic)



Standard lens input



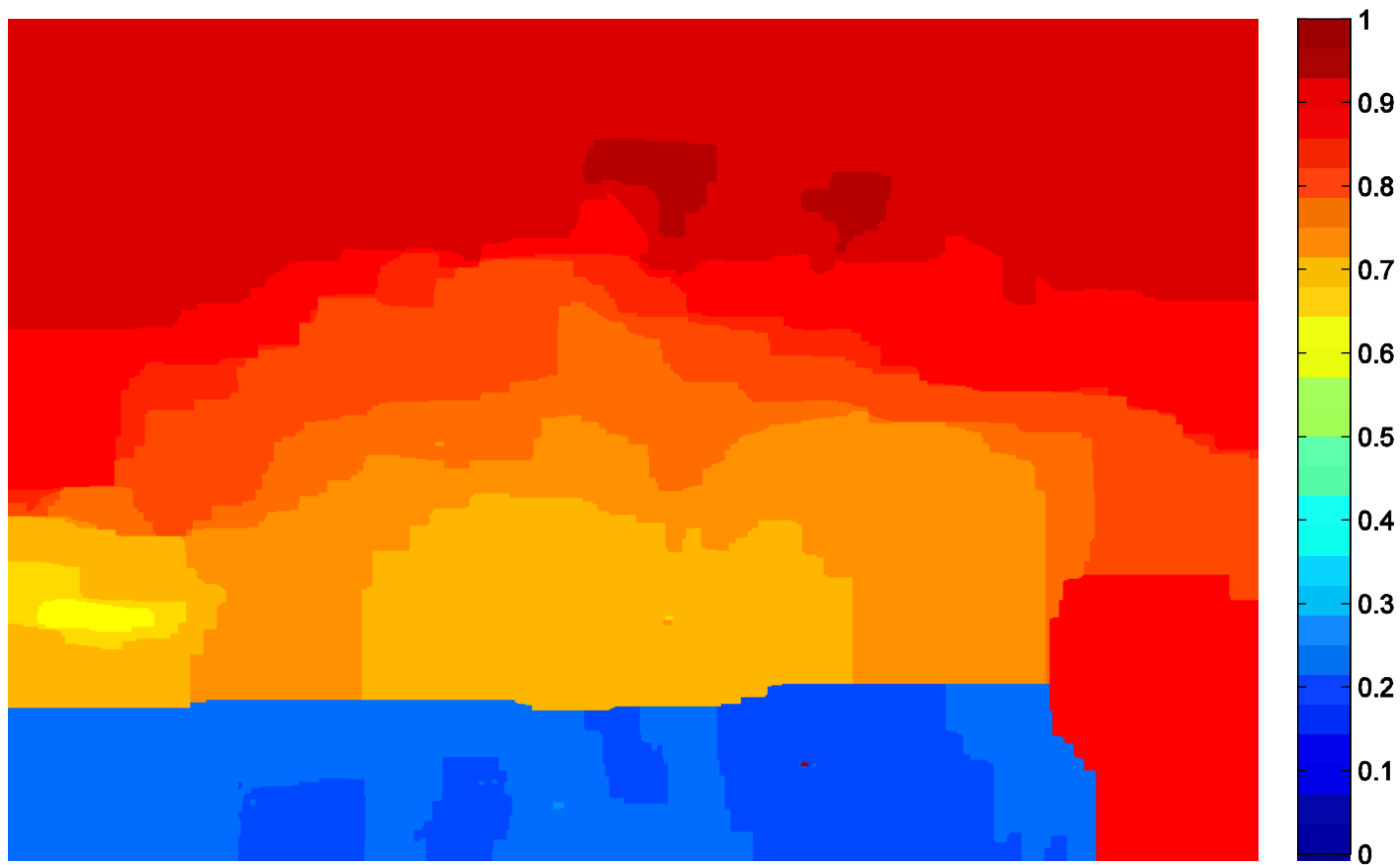
Lattice-focal input



All focused image output (automatic)



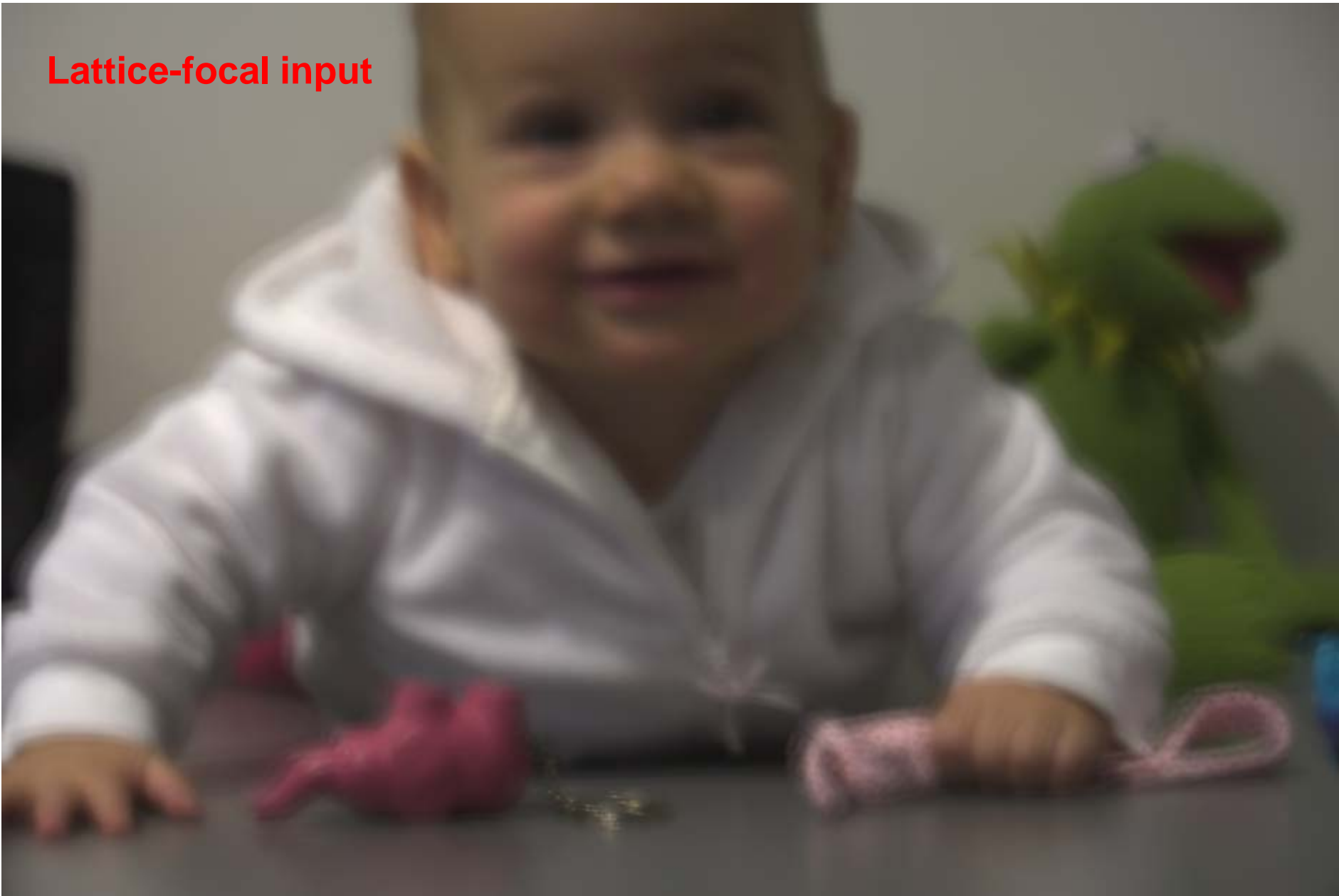
Depth map output (automatic)



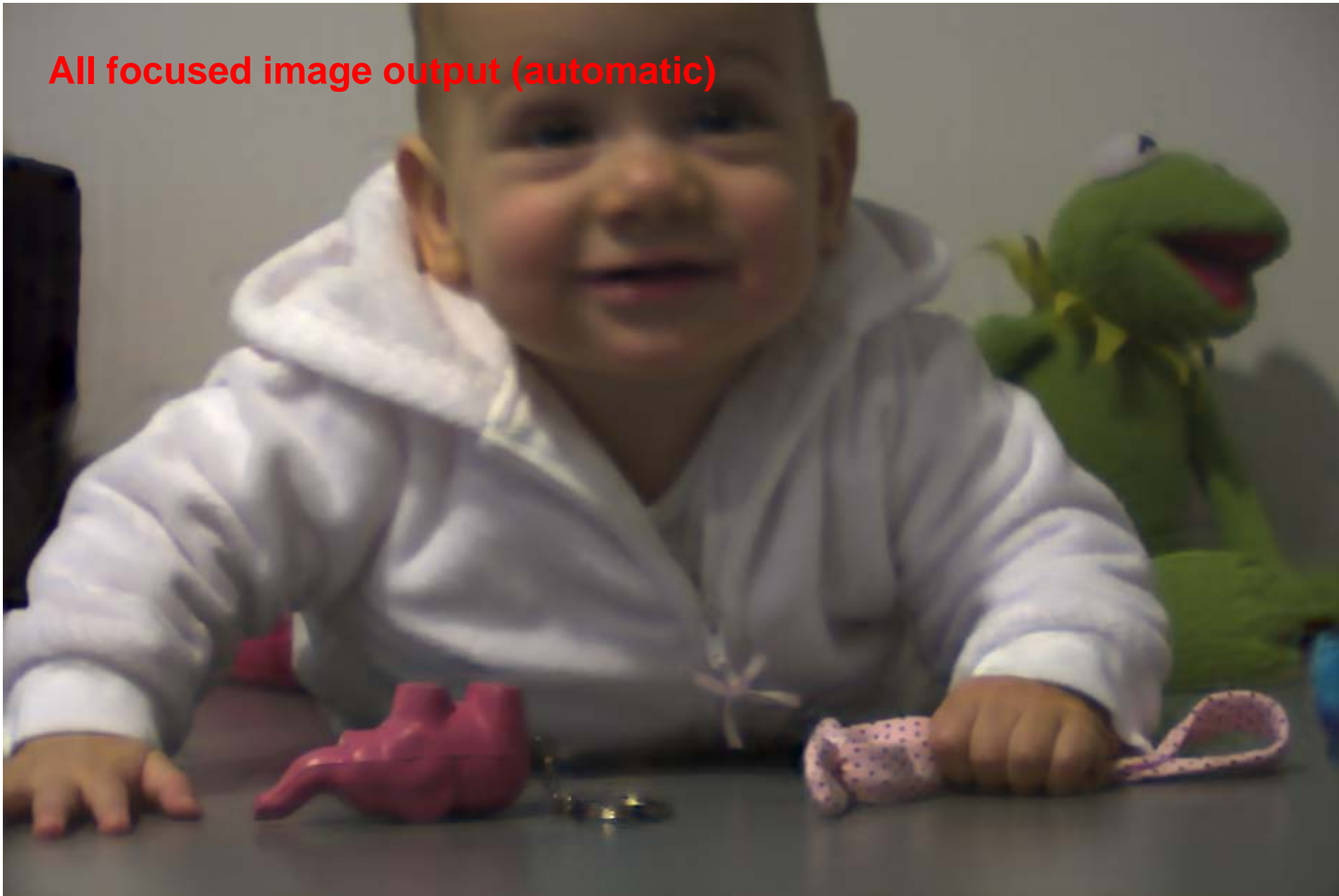
Standard lens input



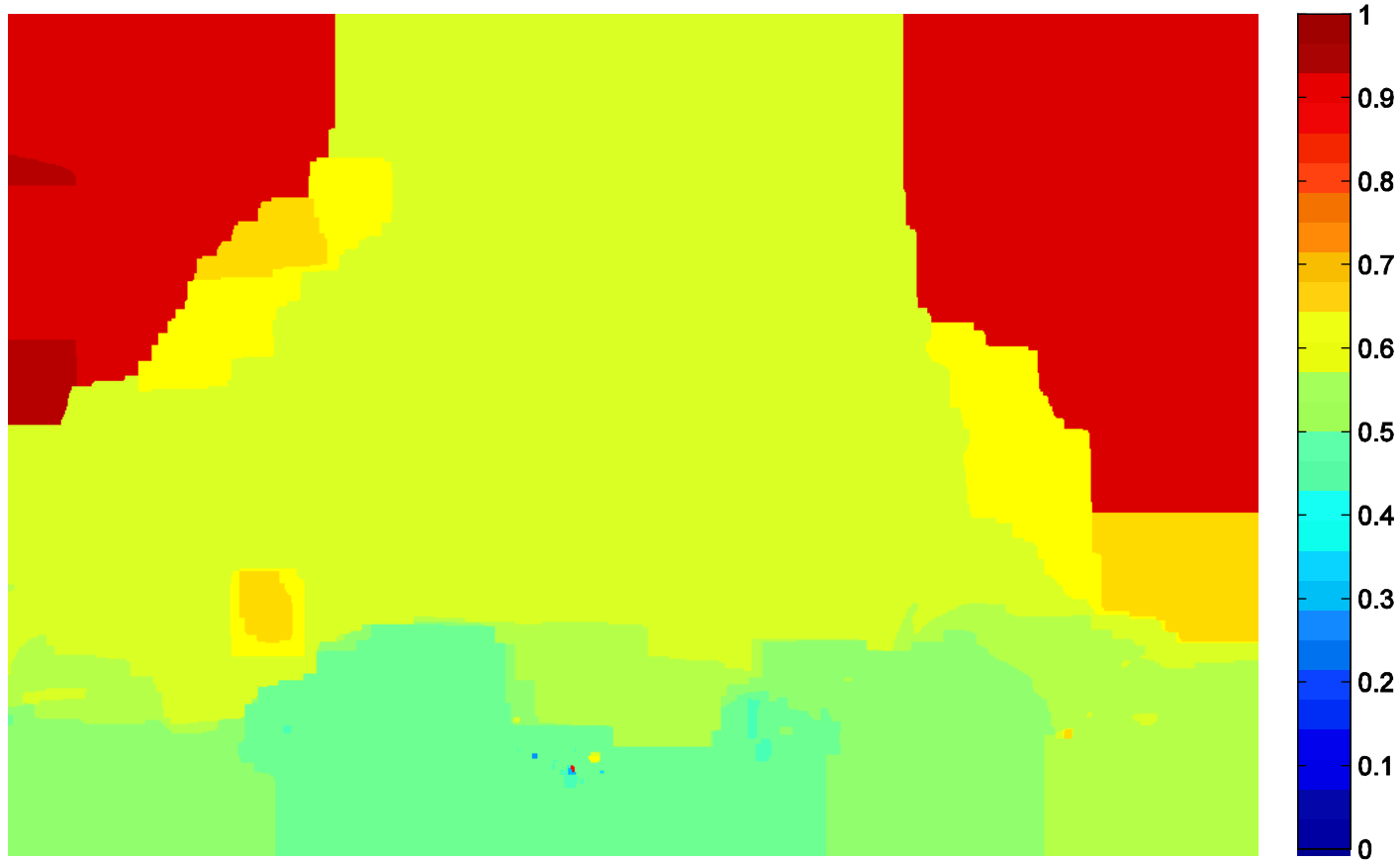
Lattice-focal input



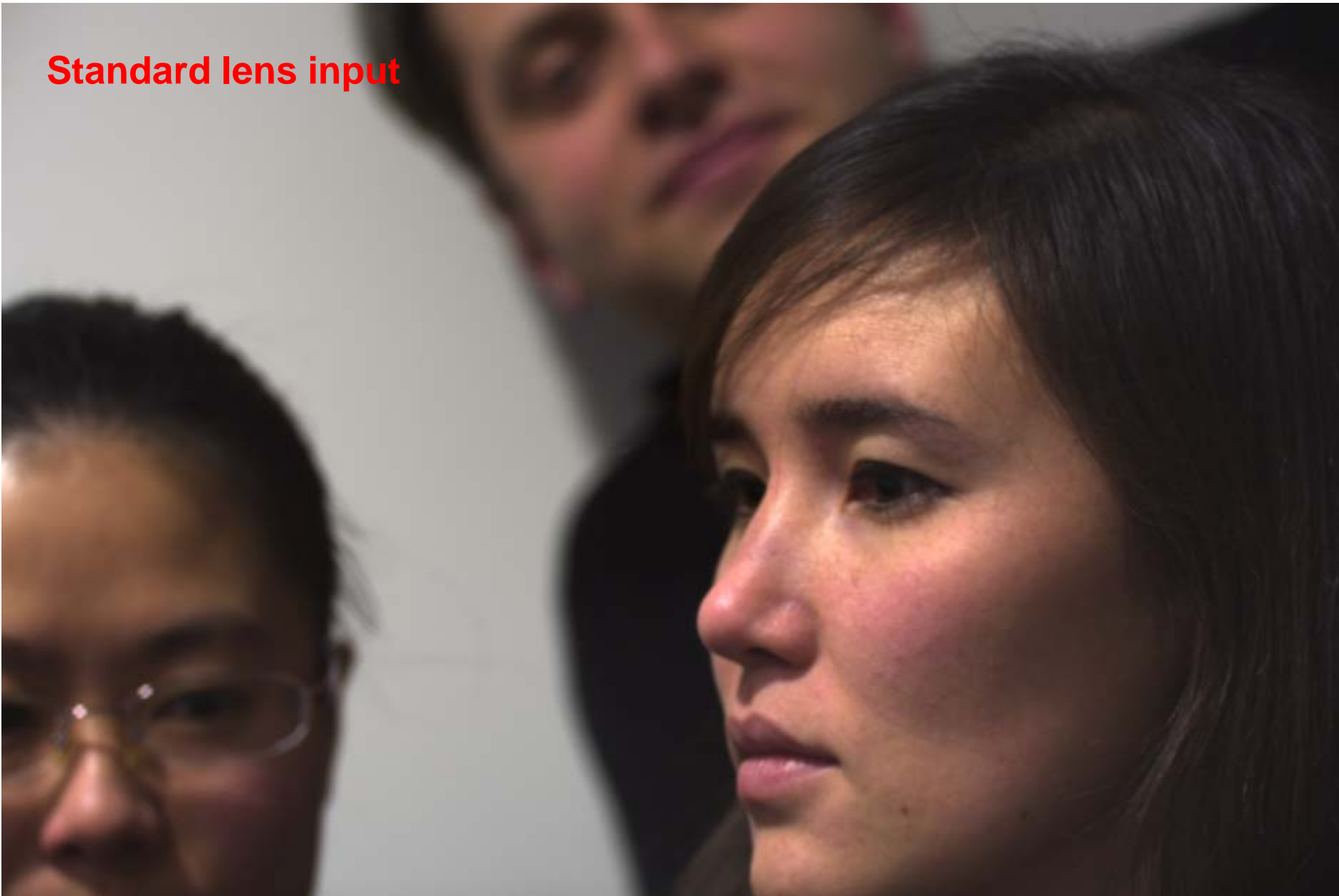
All focused image output (automatic)



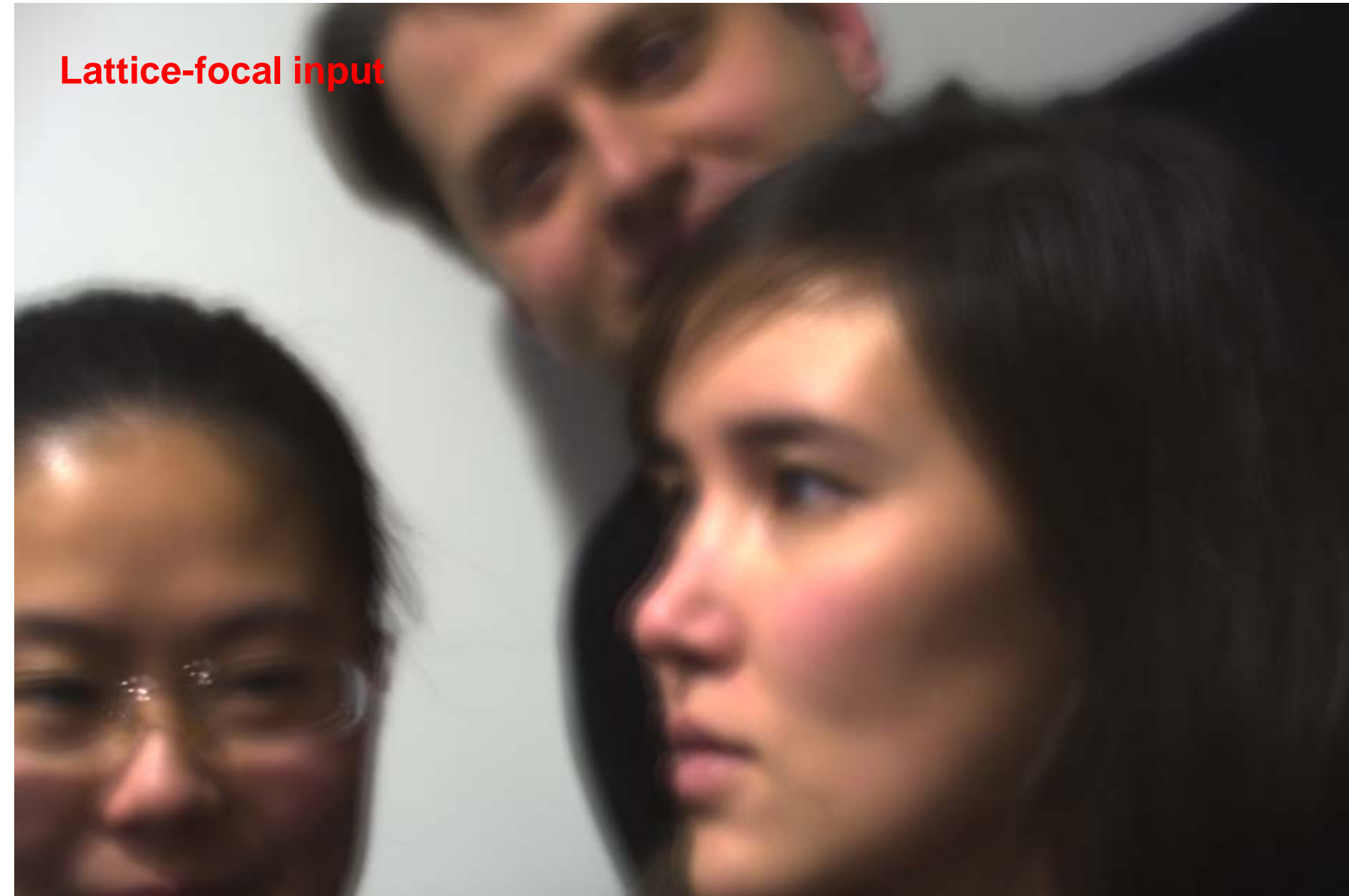
Depth map output (automatic)



Standard lens input



Lattice-focal input



All focused image output (automatic)



All focused image output from manually corrected depth



Depth map output (automatic)



Depth map with manual corrections



Standard lens input



Lattice-focal input



All focused image output (automatic)



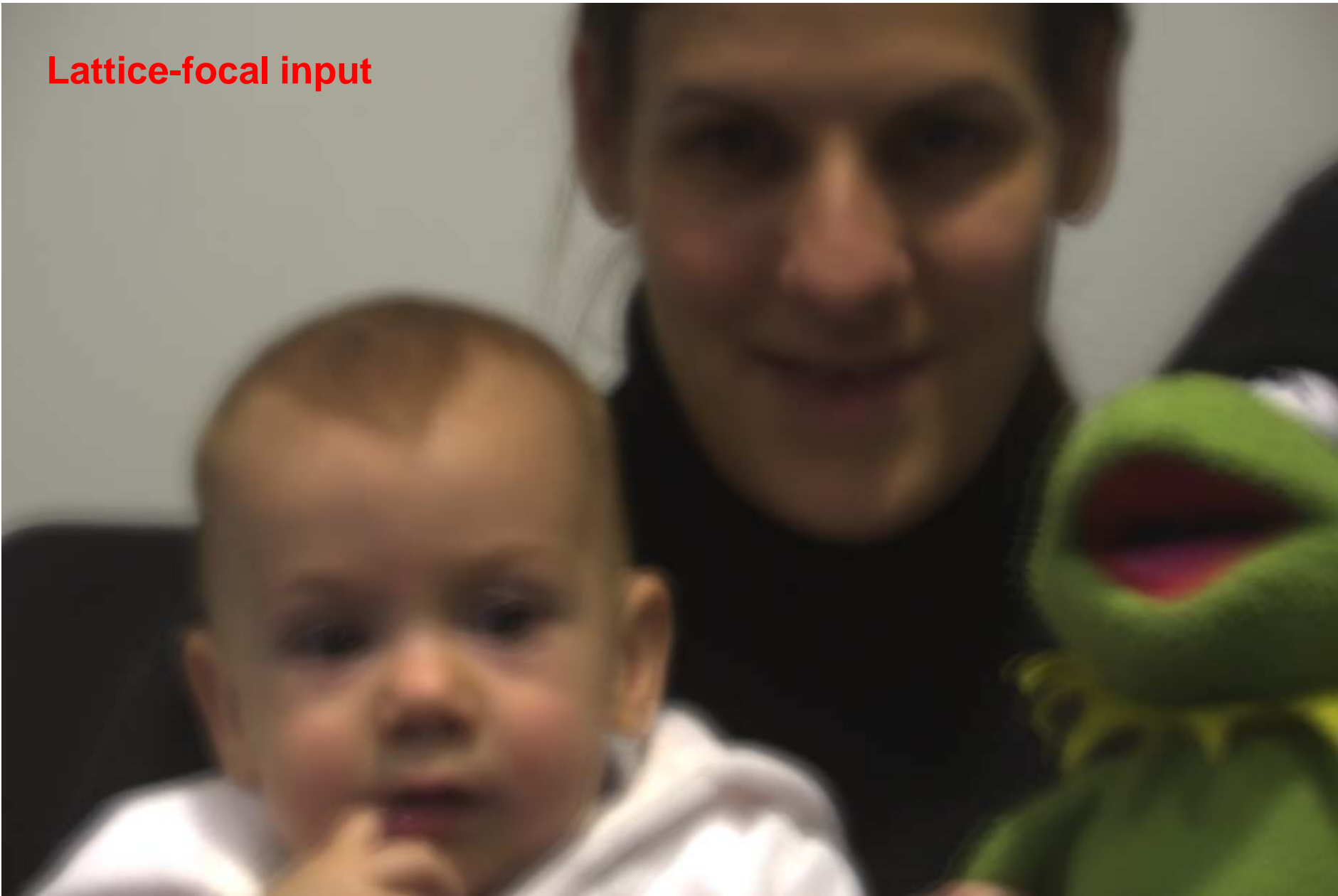
Depth map output (automatic)



Standard lens input



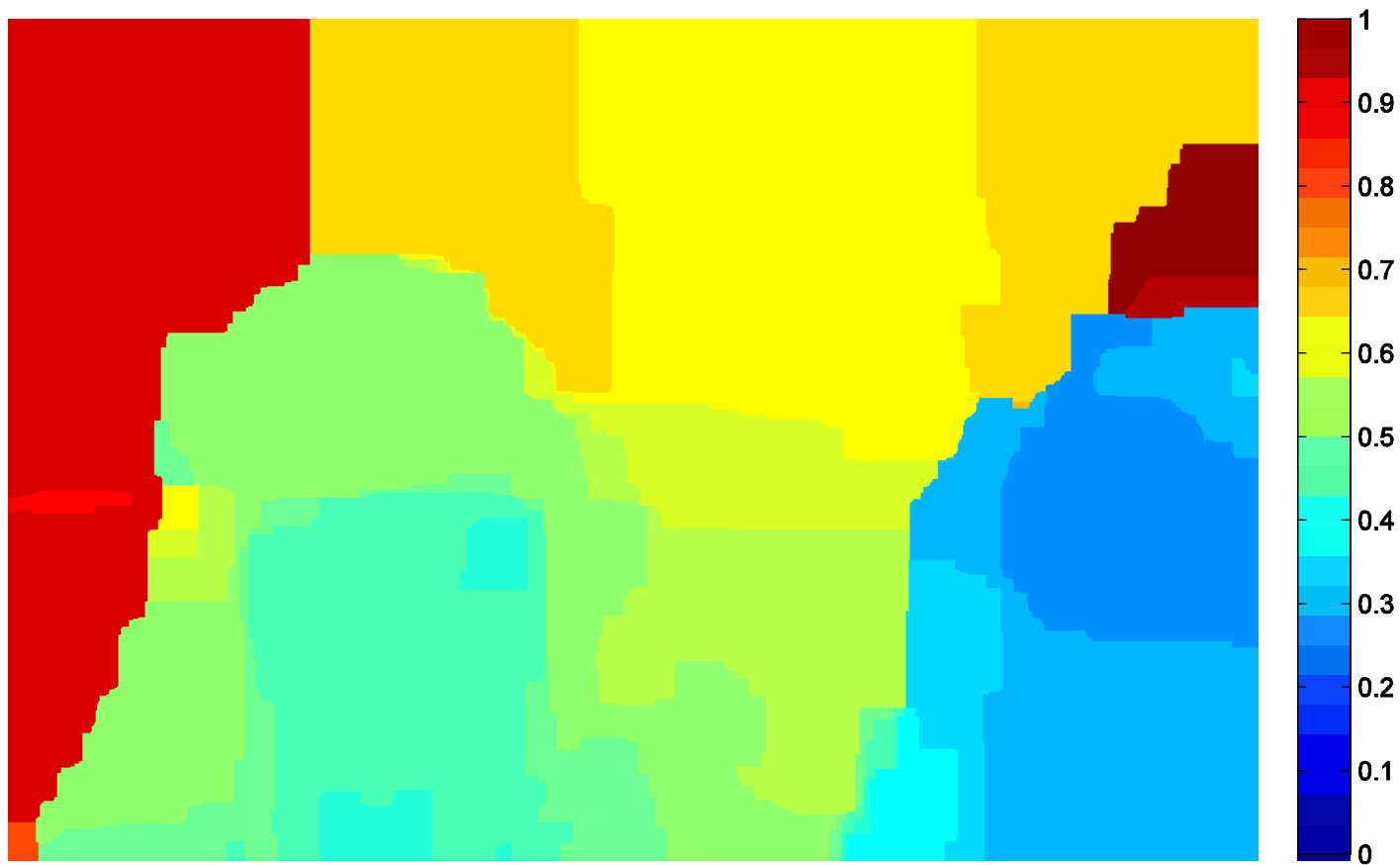
Lattice-focal input



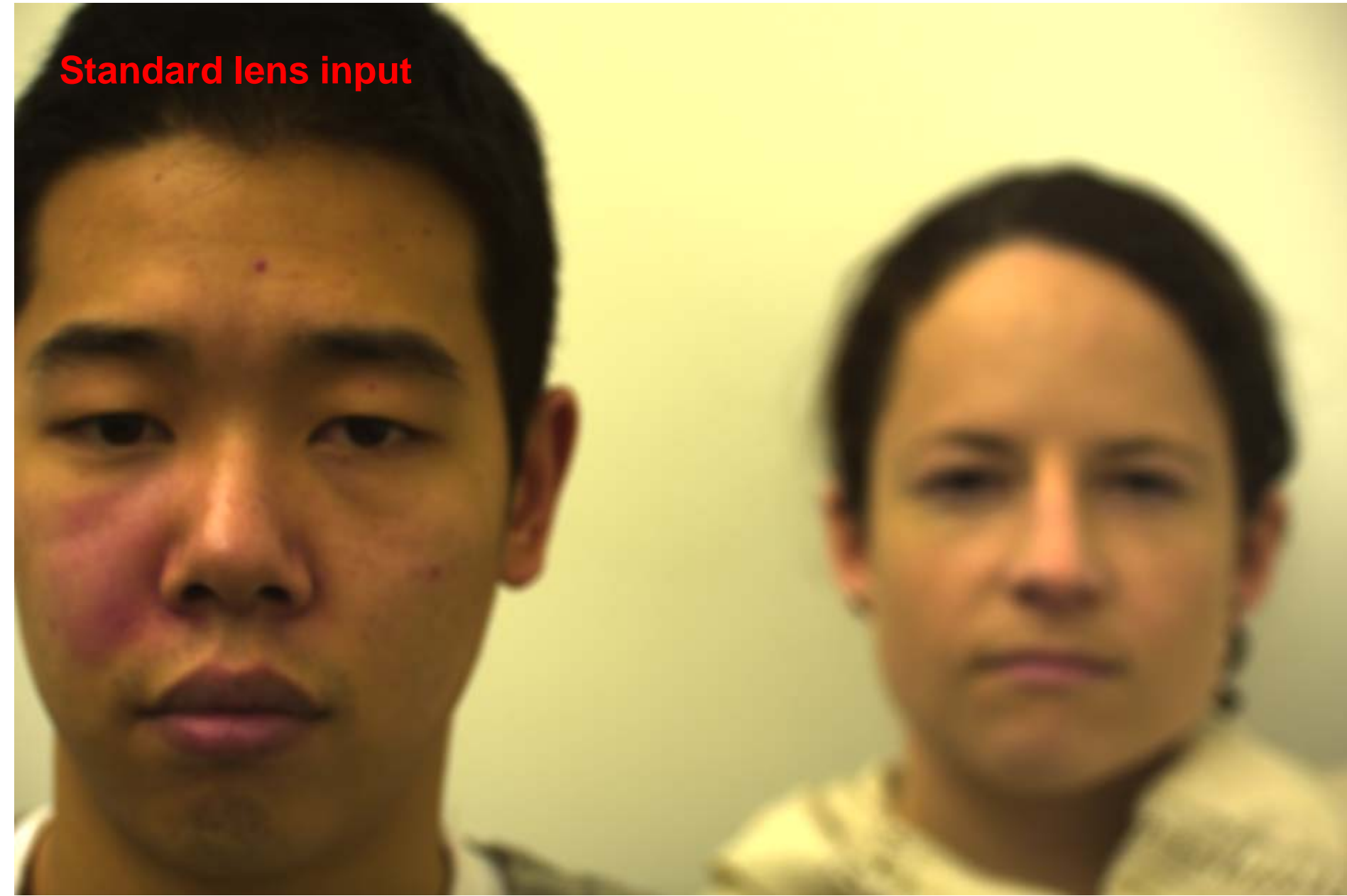
All focused image output (automatic)



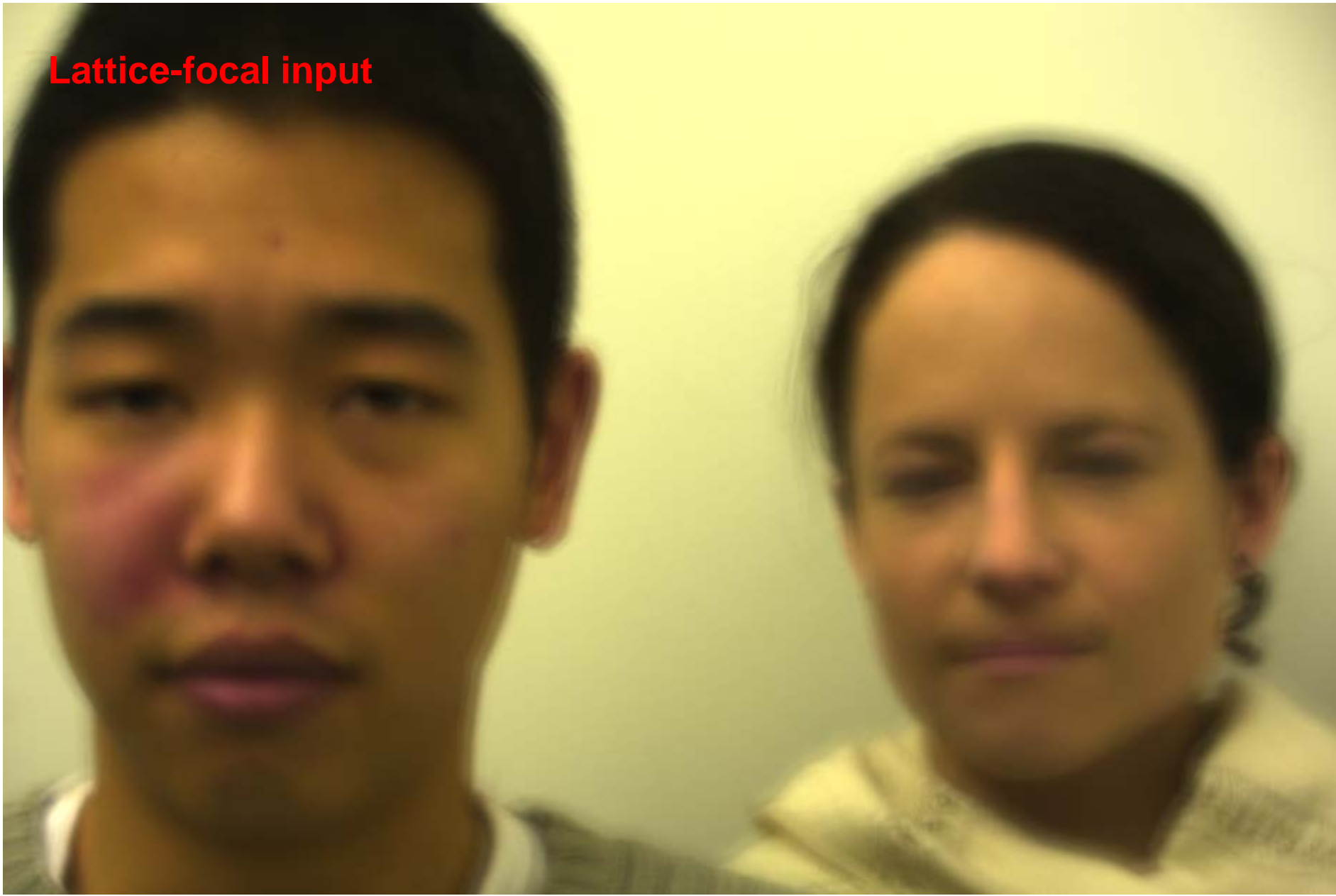
Depth map output (automatic)



Standard lens input



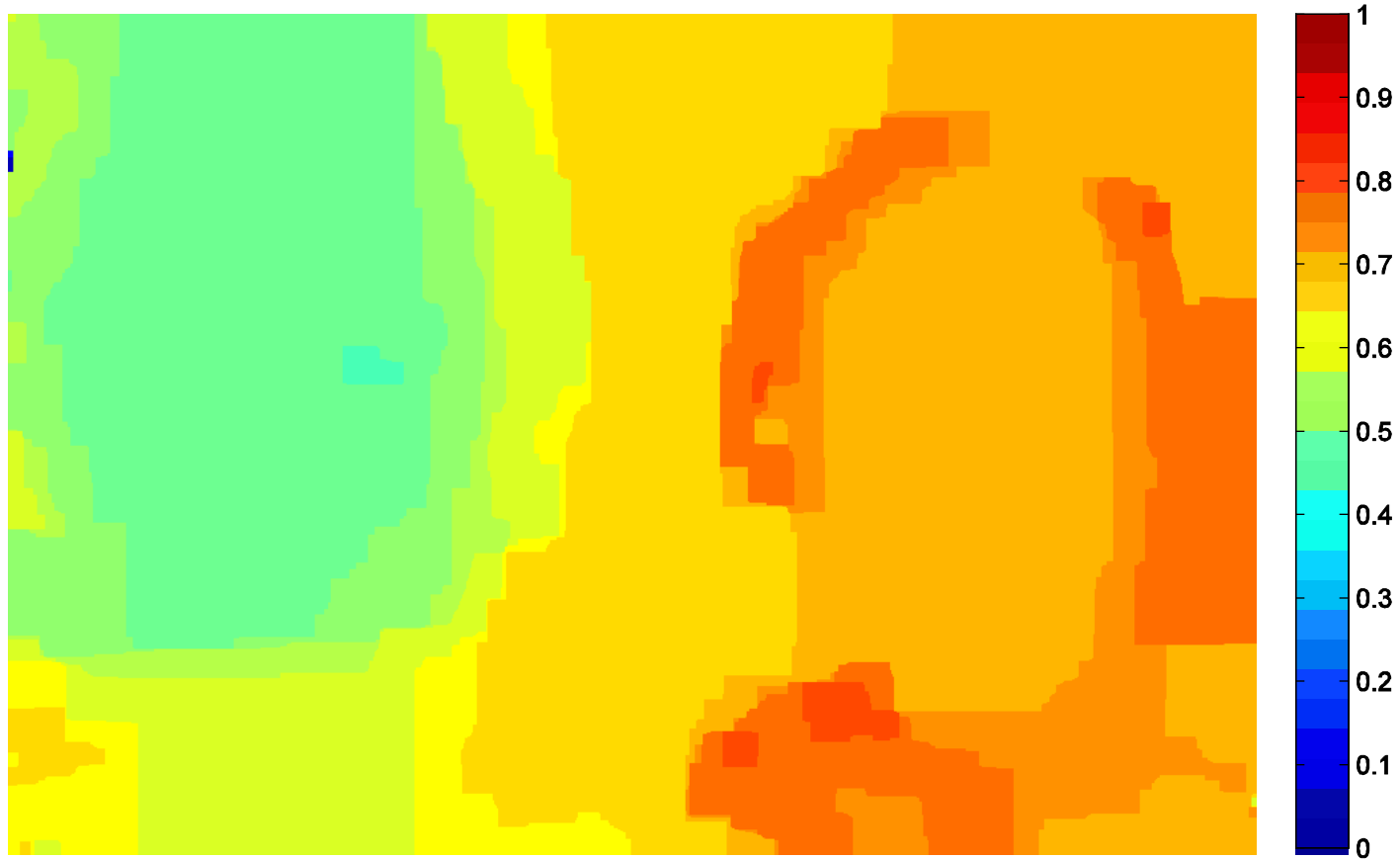
Lattice-focal input



All focused image output (automatic)



Depth map output (automatic)



Standard lens input



Lattice-focal input



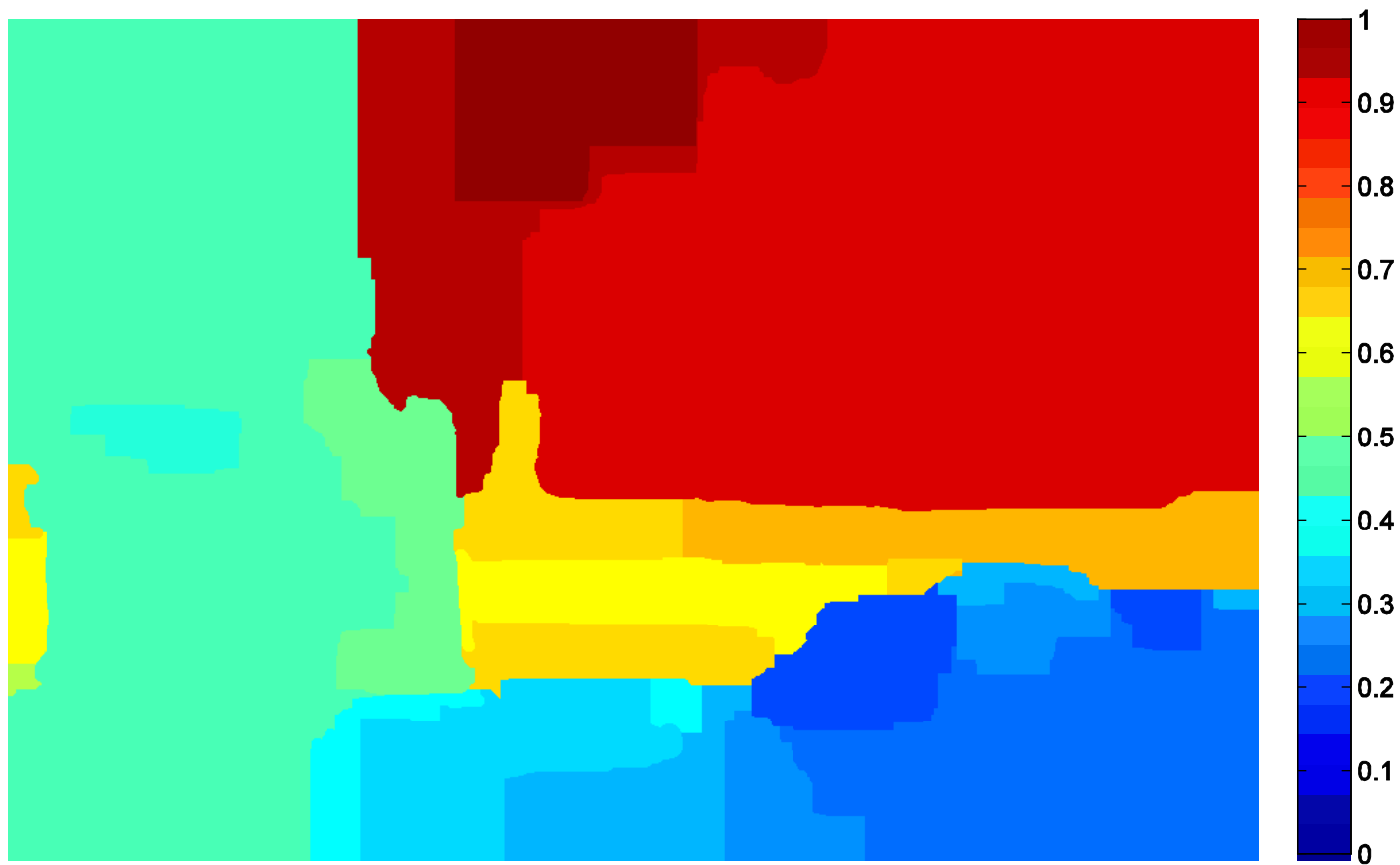
All focused image output (automatic)



All focused image output from manually corrected depth



Depth map with manual corrections



Standard lens input

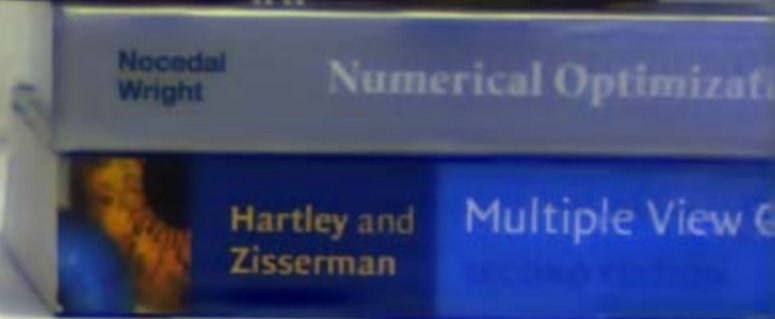
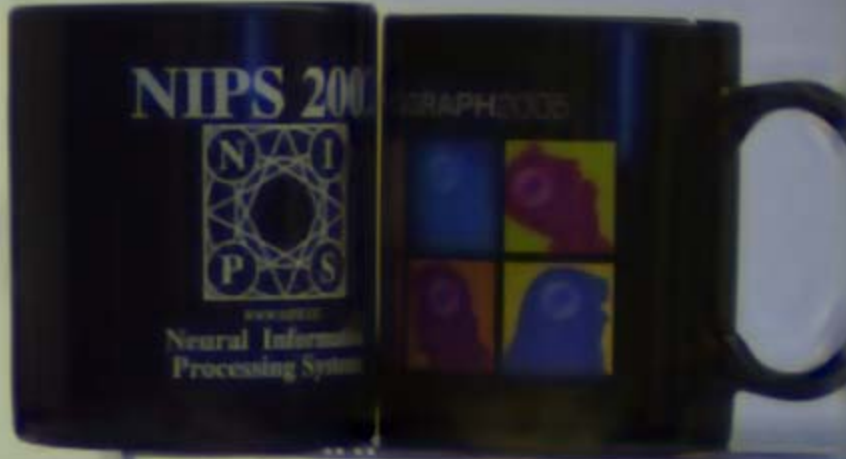


Lattice-focal input



All focused image output (automatic)

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Depth map output (automatic)

