On synthesis of astronomical images



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The aim of the work

- Try to remain scientifically correct while creating colorized images
- Solve problems going along the technical limitations of used devices
- Try to make images which are aestethically apealing
- Find some physical interpretation of the colorized images

Method

- Pictures taken during one night are reduced
- The data are projected into a grayscale image
- Export the image to image processing programm

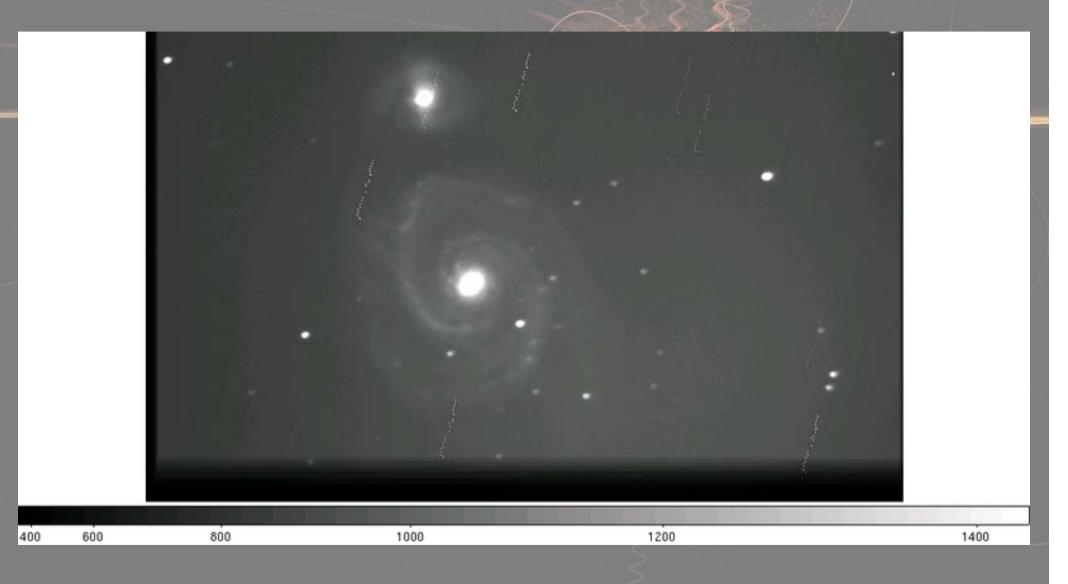
Align the layers

- Find an adequate scalling function
- Colorize the image in natural colours
- "Cosmetic" adjustments

Possible problems

- Oversaturated and undersaturated areas
- Posterization
- Noise
- Stars looking the same without dependance on their real brightness
- Problem with filters

Images



Images



Thank you for your attention