



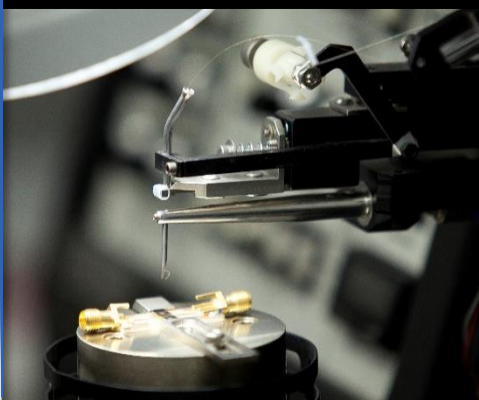
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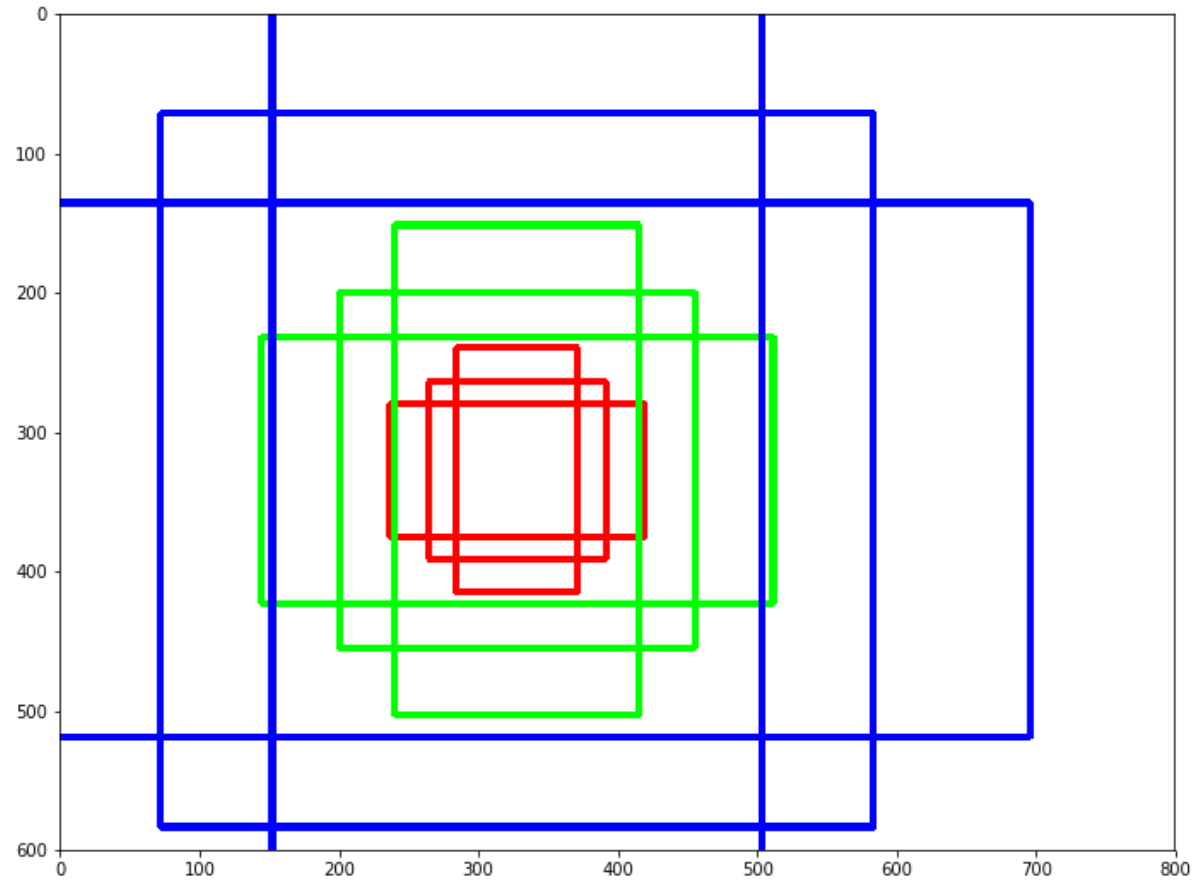
Métodos para Análise de grande volume de dados e Astroinformática

Clécio Roque De Bom – debom@cbpf.br

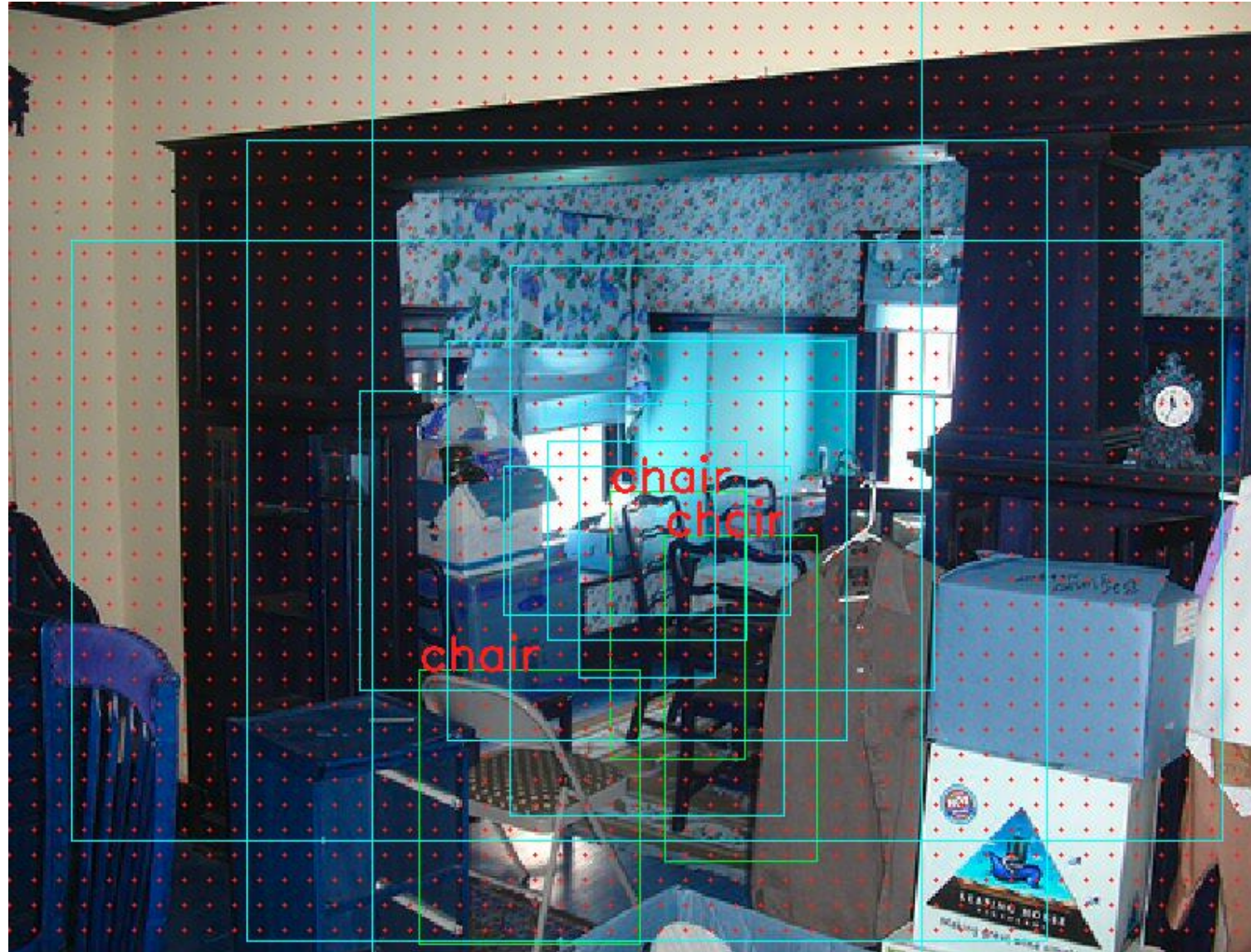
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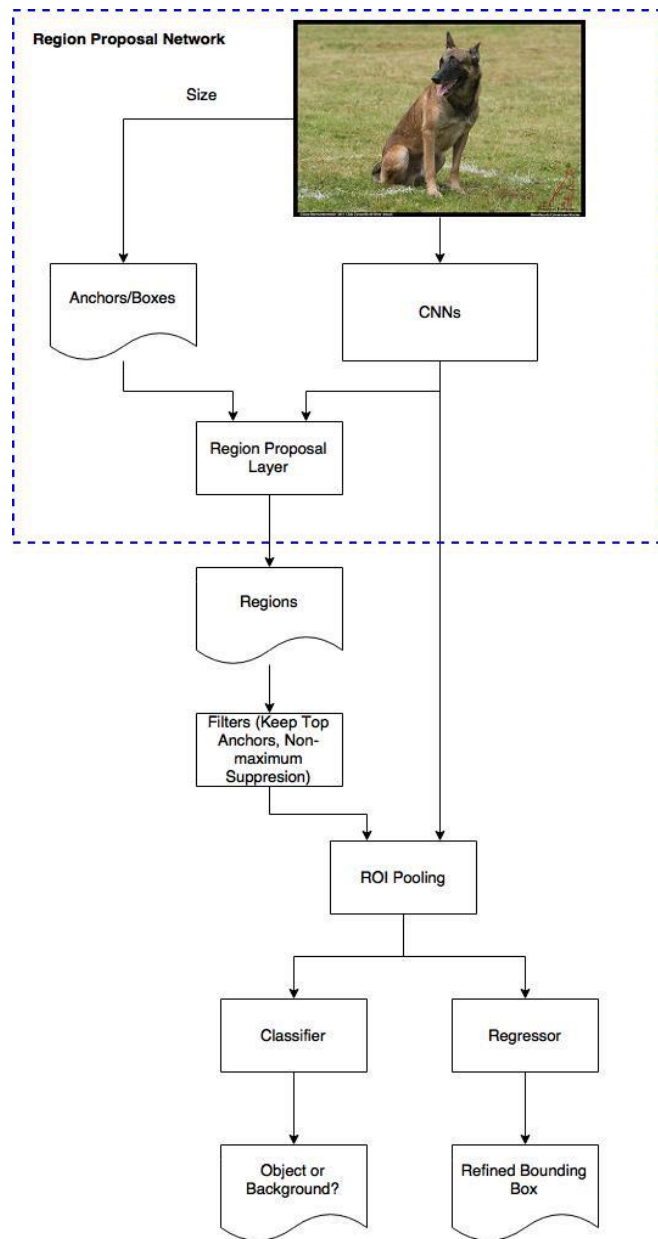
Region Proposal Neural Networks



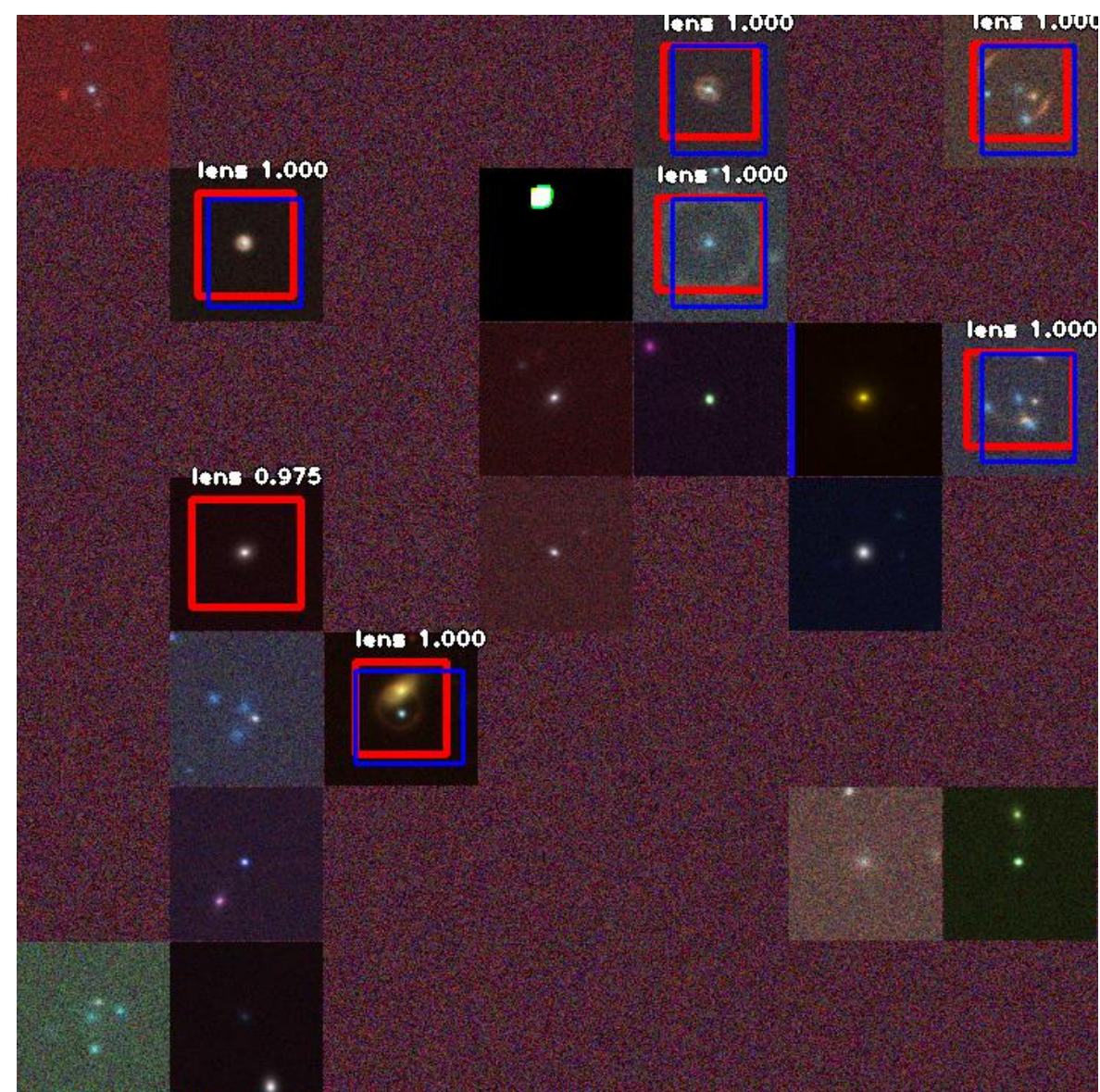
Region Proposal Neural Networks



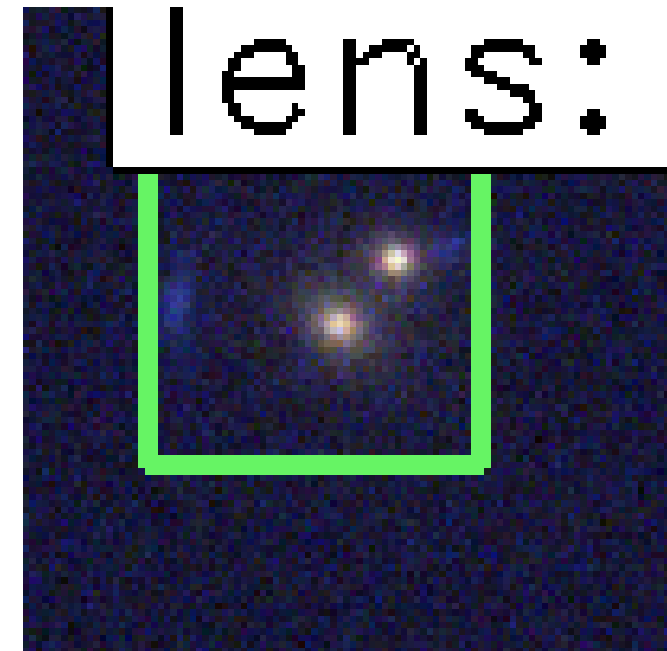
Region Proposal Neural Networks



Region Proposal Neural Networks

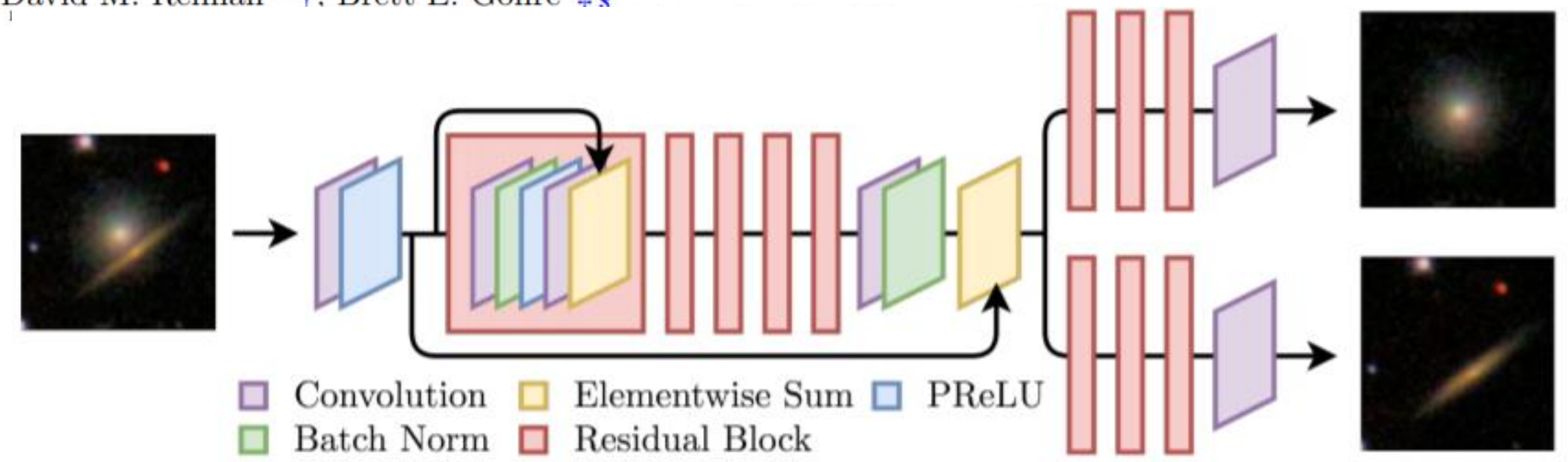


RetinaNet Architecture (2017) adapted.



Deblending galaxy superpositions with branched generative adversarial networks

David M. Reiman¹^{★†}, Brett E. Göhre¹^{‡§}

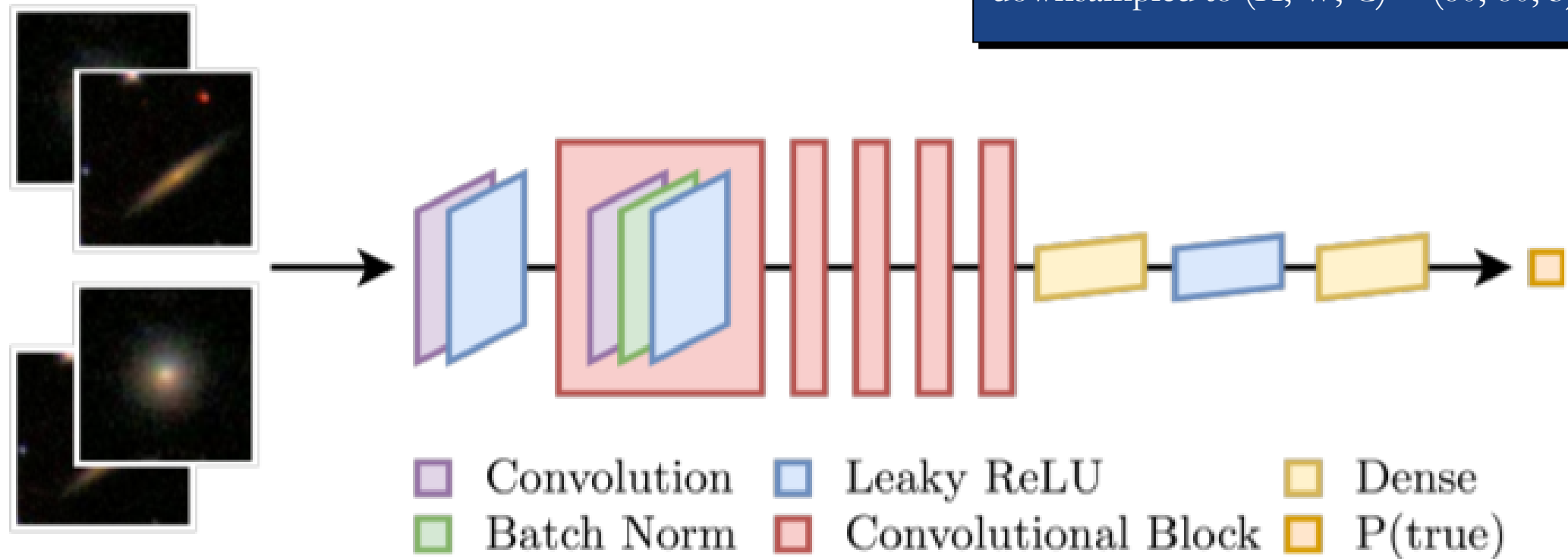


Deblending galaxy superpositions with branched generative adversarial networks

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¹*Department of Physics, University of California Santa Cruz, 1156 High Street, Santa Cruz, California 95064,*

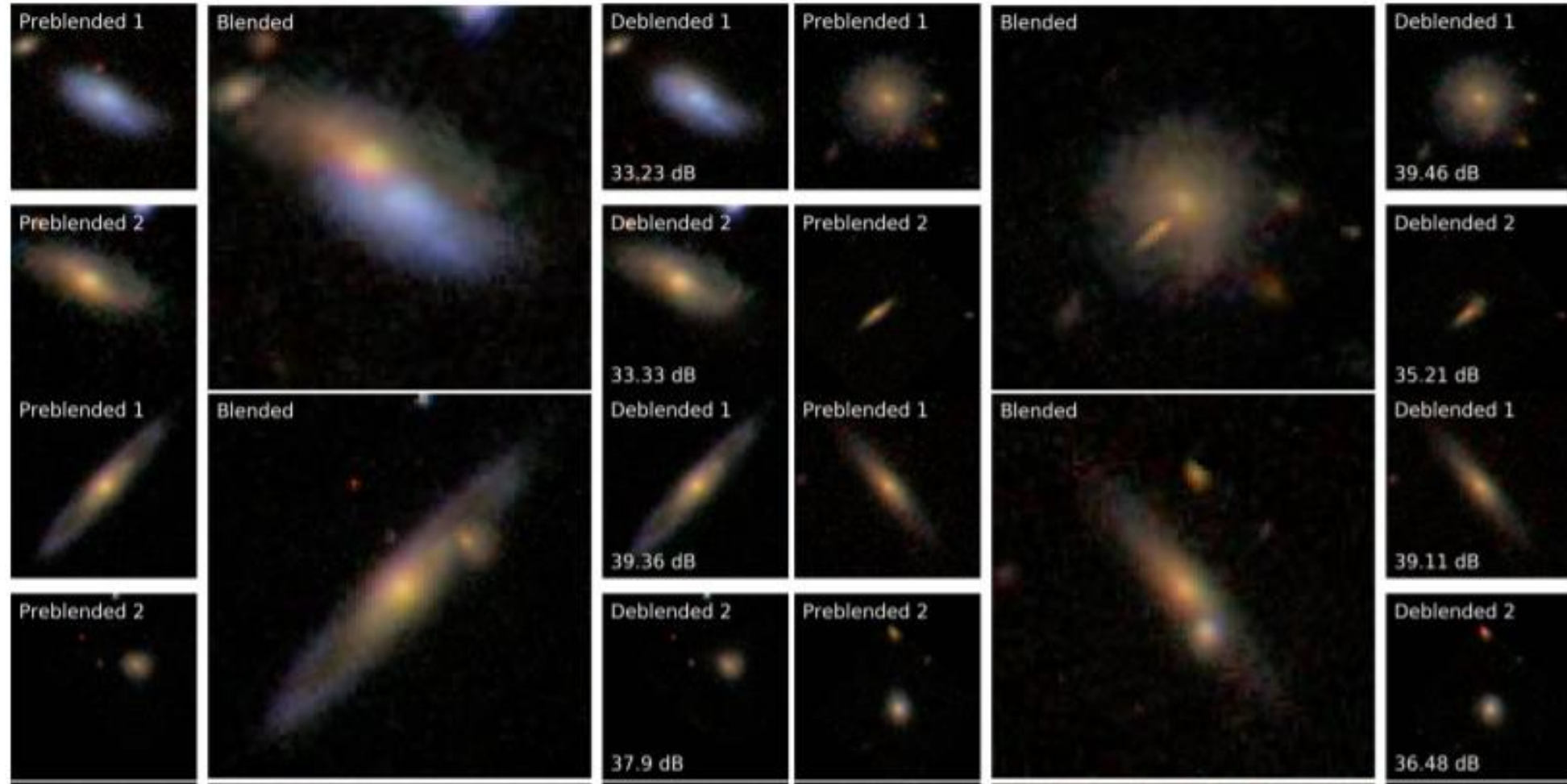
The authors used 141,553 images available from Galaxy Zoo. They used 3 bands in a JPEG format and therefore has a bit depth of 8 bits per color channel with dimension $(H, W, C) = (424, 424, 3)$ where H , W and C are the height, width and channel dimensions, respectively and were cropped and downsampled to $(H, W, C) = (80, 80, 3)$.



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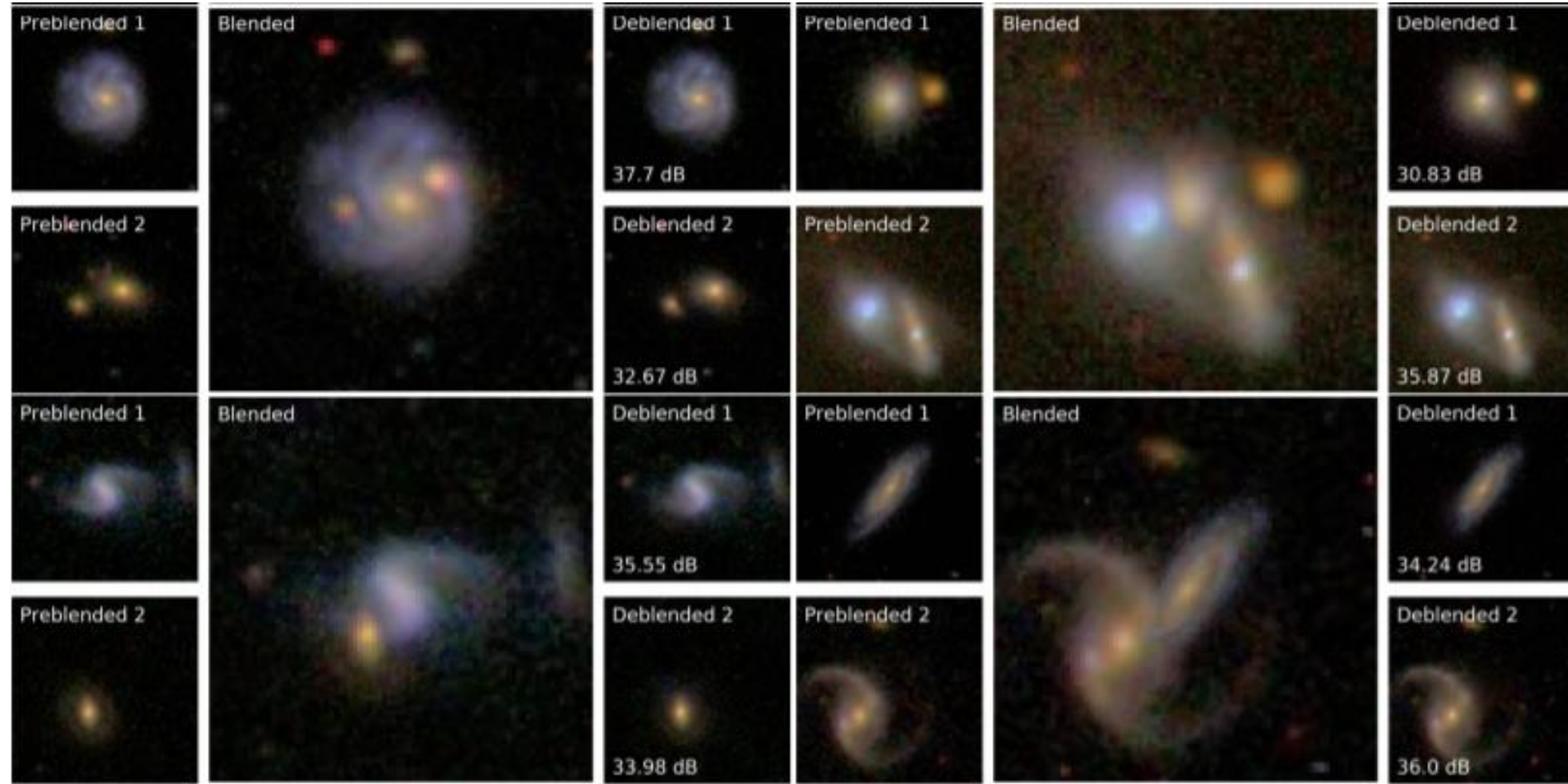
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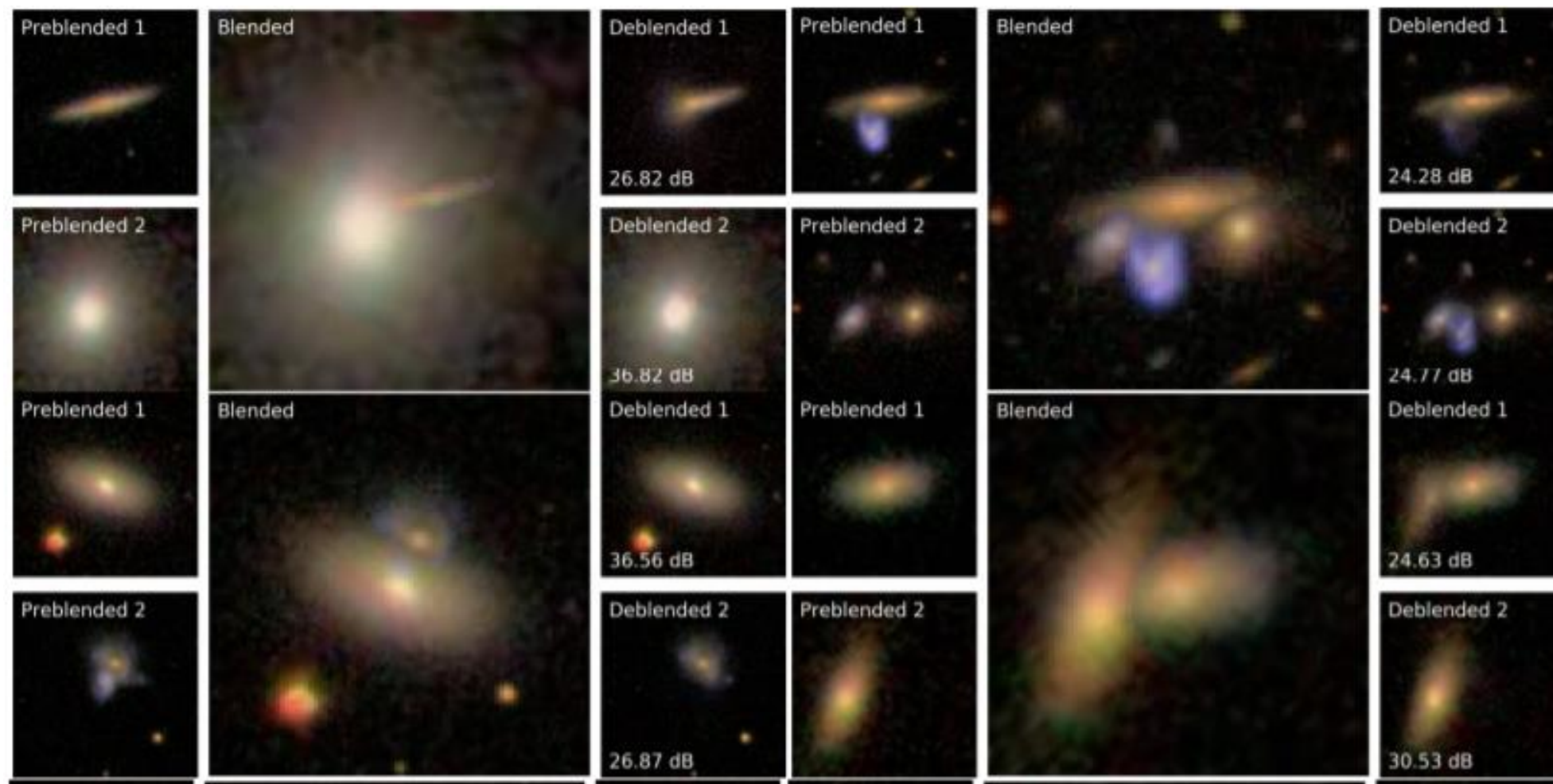


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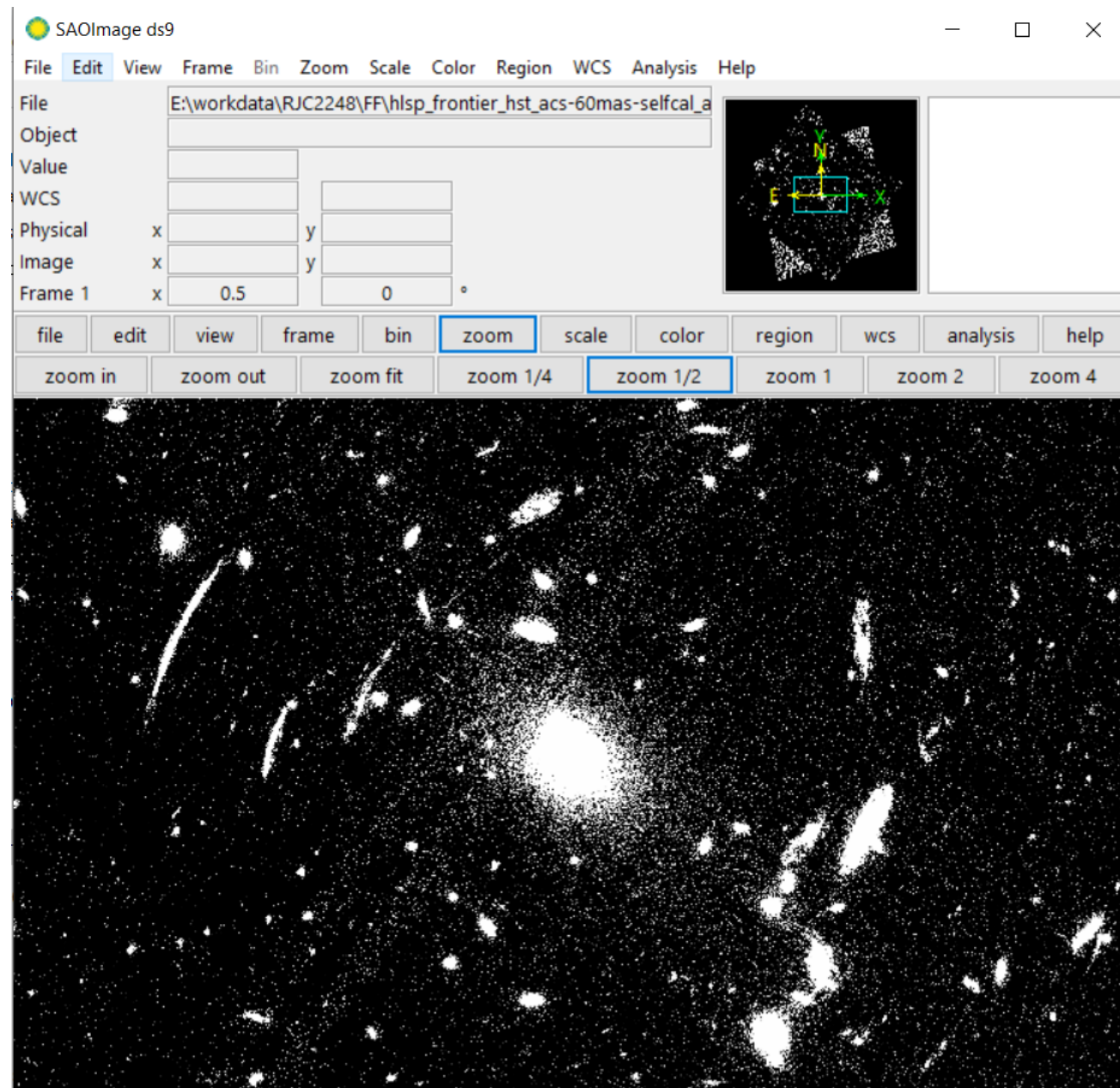
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Failures



Visualização com DS9





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