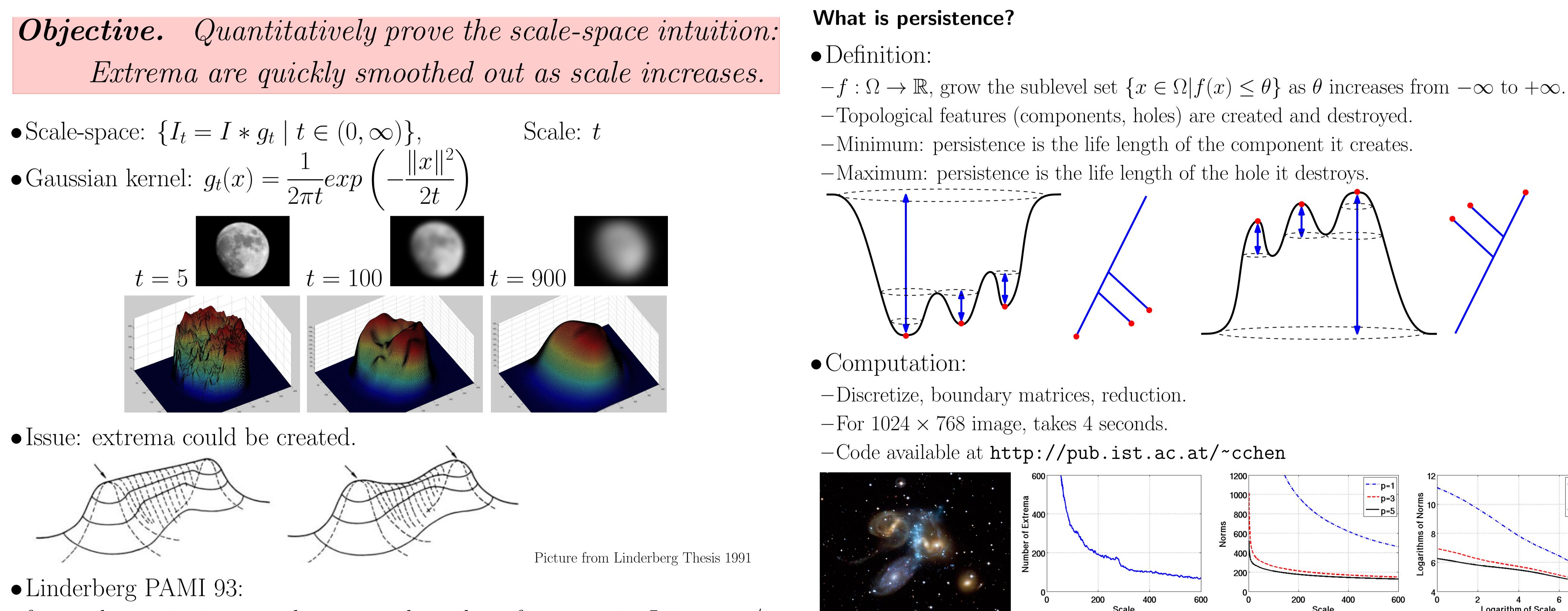
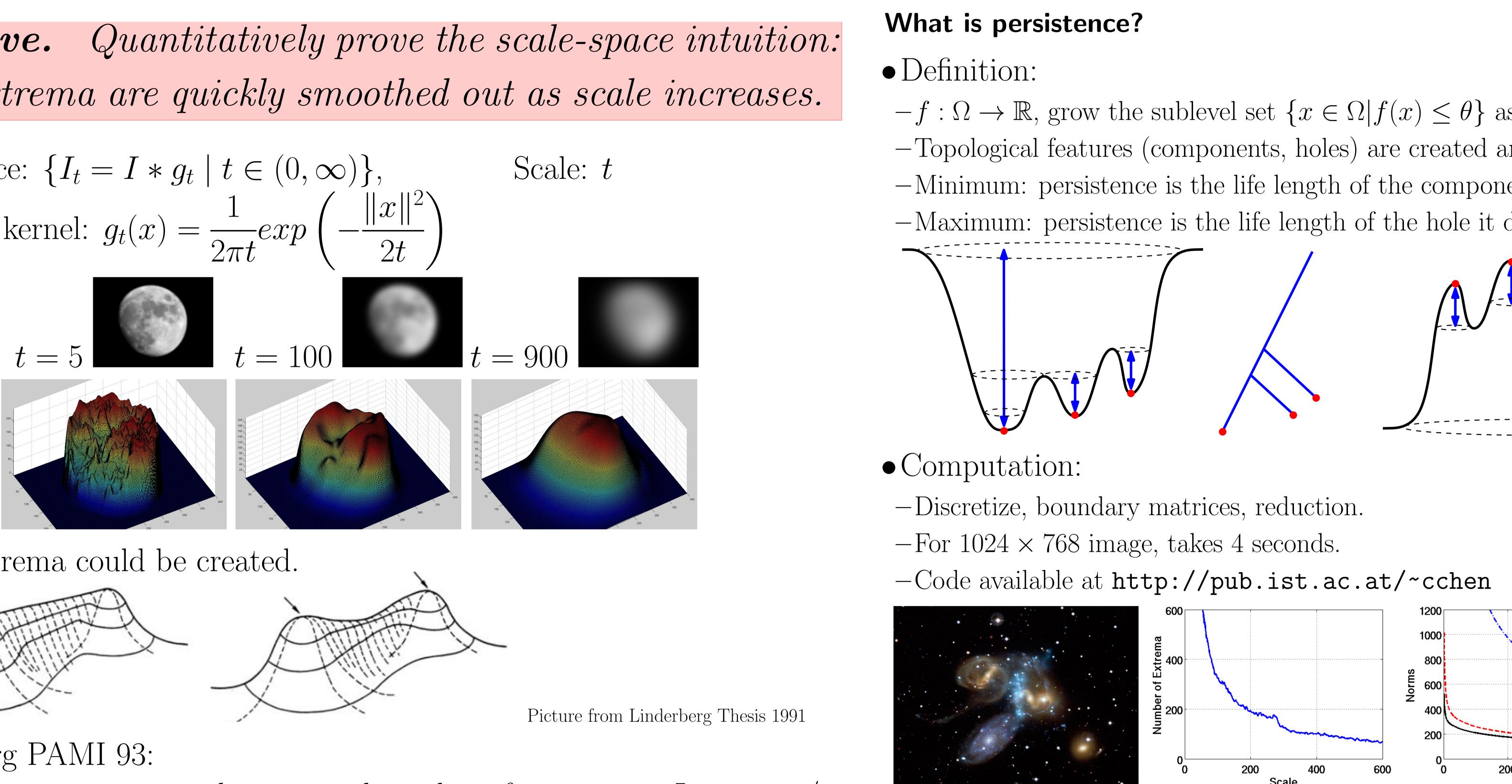
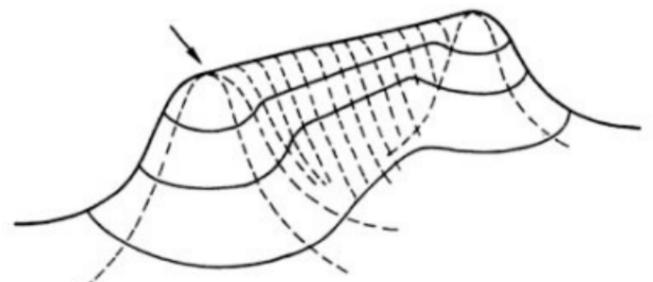


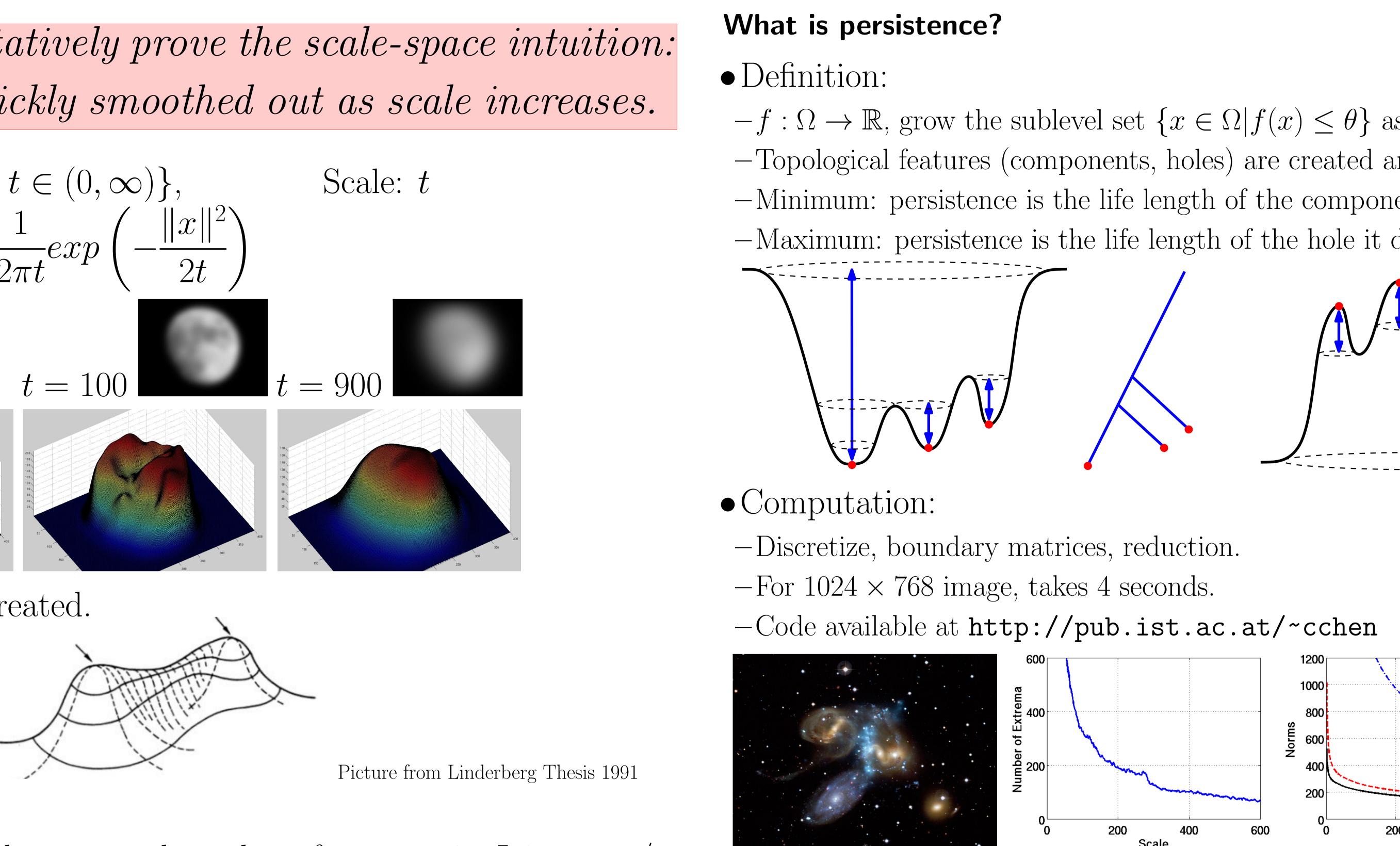
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• Issue: extrema could be created.





• Linderberg PAMI 93: for random noise images, the expected number of extrema in  $I_t$  is const/t. • Our contribution:

Main Theorem. Weigh extrema by their persistence. The total weight (p-norm) is no more than const/t.

# **Diffusion Runs Low on Persistence Fast**

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