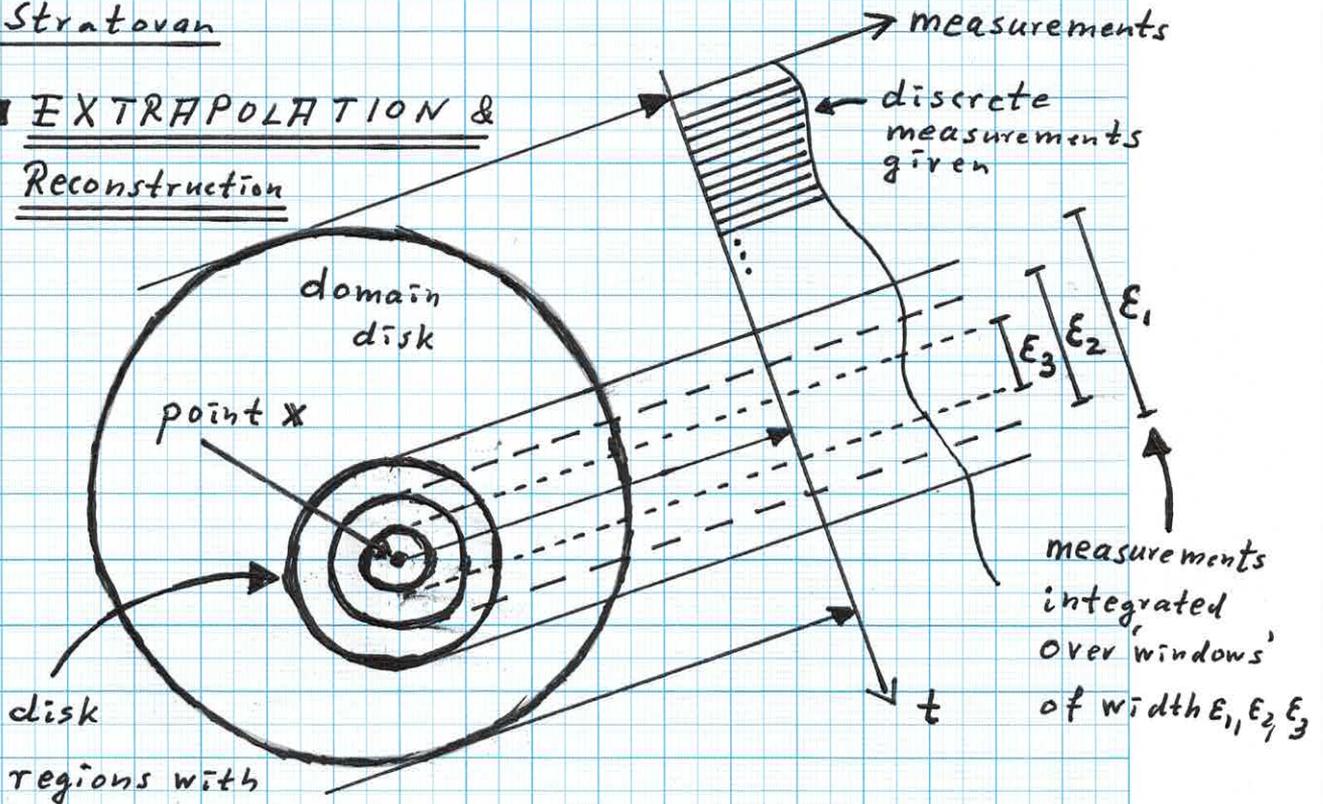


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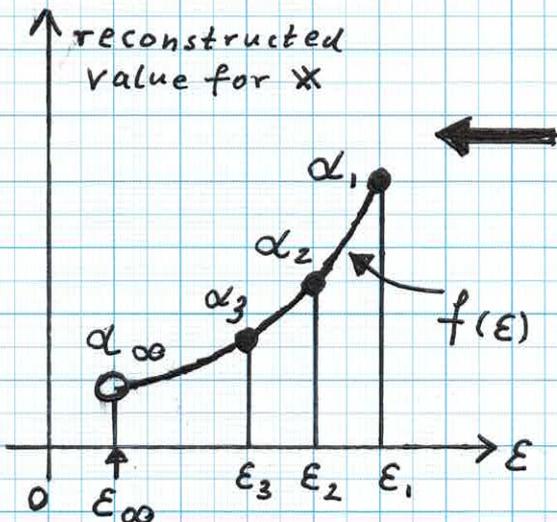
EXTRAPOLATION & Reconstruction



regions with center x of decreasing size

IDEA:

To reconstruct a "good value" for point/pixel x with an associated small size  $\epsilon_\infty$  (defining a disk region for x), COMPUTE A SEQUENCE OF RECONSTRUCTION VALUES FOR  $\epsilon_1, \epsilon_2, \epsilon_3$  ETC. AND EXTRAPOLATE TO  $\epsilon_\infty$ !



THEREFORE:

Define a 'proper' extrapolation function  $f(\epsilon)$ , interpolating  $\alpha_1, \alpha_2, \alpha_3, \dots$  and evaluate  $f(\epsilon_\infty)$ .

Type of f: polynomial?

Reference: RICHARDSON EXTRAPOLATION