

Interactive comment on “Transition in the fractal geometry of Arctic melt ponds” by C. Hohenegger et al.

D. MacAyeal (Referee)

drm7@uchicago.edu

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General comments:

1. Is it possible that the scale at which the separation between 2-d and 1-d ponds is determined by the elastic flexural rigidity (and attendant length scale)?
2. In an evolving “pondscape” does water tend to move from 2-d ponds (the small ones) to the 1-d ponds (the big ones)?

Specific comments:

1. How is the perimeter of a melt pond determined? Is it done by an algorithm or by hand? Also, what defines the distance between adjoining pairs of pixels, is it the

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distance between their centers, or is the perimeter the sum of pixel edges that enclose the interior...?

2. In the discussion, it would be useful to define “homoginization scheme” as many glaciologists are unlikely to have encountered this term before. . .

Interactive comment on The Cryosphere Discuss., 6, 2161, 2012.

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