

Research Notes

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1 Brief Idea

In all previous discussions, we have focused on the idea of using the Greedy heuristic to generate an initial seed placement, which would then suffice as a starting point for any second-order refinement.

What if, however, the adjoint current were sufficient to optimize (in pseudo-fashion) the problem by itself? One possibility would be a similar ranking scheme with no seeds present. The spot on the grid with the least current, which, in effect, symbolizes a "zero-potential" in dose, would be the first choice. Then, the second choice would be selected via the current map *including* the forward current of the seed just placed. And so on...

Could it work? We can investigate that as a phase-two sort of study.