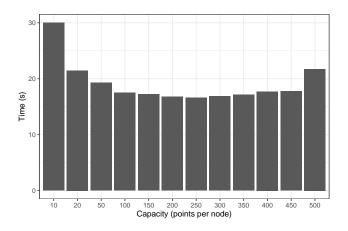
PFLOCK Report

Andres Calderon

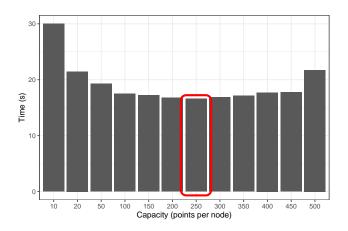
University of California, Riverside

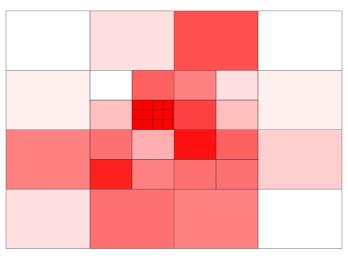
June 22, 2023

Still slow for dense cells



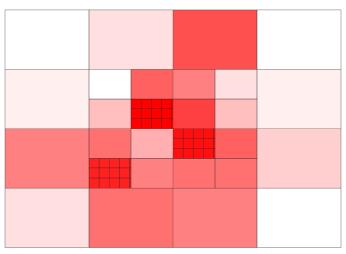
Still slow for dense cells





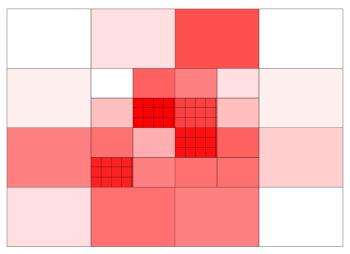
 ${\it density}{=}8000$

AC (UCR) PFlock report June 22, 2023 4/8



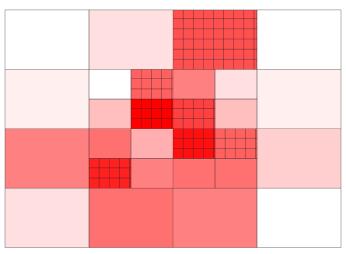
density=7000

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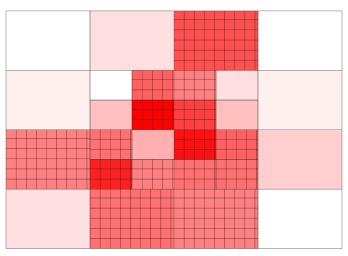


 ${\it density}{=}6000$

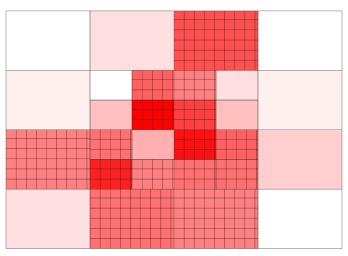
AC (UCR) PFlock report June 22, 2023 4/8



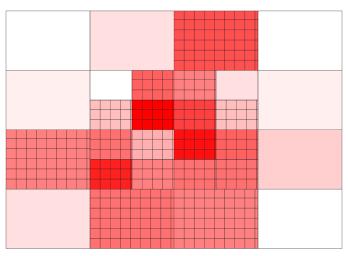
 ${\it density}{=}5000$



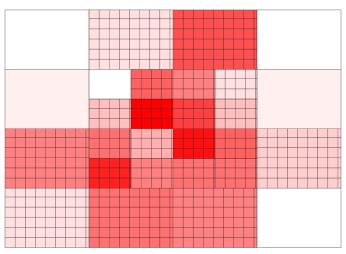
 ${\it density}{=}4000$



 ${\it density}{=}3000$

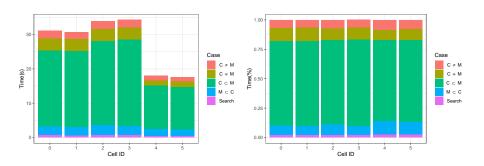


 ${\it density}{=}2000$



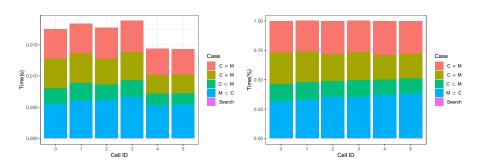
density=1000

Detecting maximal duplicates, subsets and supersets Sum of time for each candidate to be evaluated...



Detecting maximal duplicates, subsets and supersets

Average of time for each candidate to be evaluated...



Detecting maximal duplicates, subsets and supersets

Cell	Number candidates	Tree size	Range size	Position found
0	10393	258	170	77
1	9579	231	167	84
2	11994	276	166	78
3	10765	251	170	87
4	7974	204	123	64
5	7936	188	126	61

Detecting maximal duplicates, subsets and supersets