Harmonic Functions for $M = 4$ with Klein Bottle Horizontal Identifications

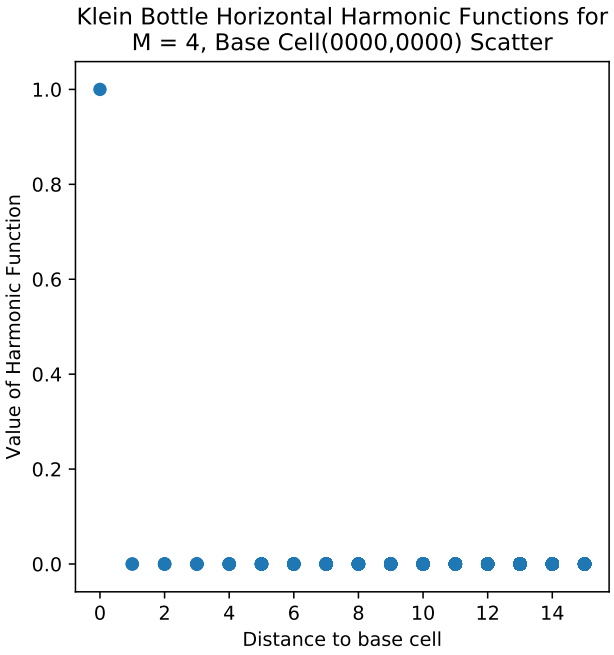
SPUR 2016

June 23, 2018

Note: The log-log plots omit all boundary cells, for either these have function value zero or the cell is the base cell. The first log-log plot also is not shown, since this harmonic function is zero throughout the interior cells.

1 Base Cell(0000,0000)

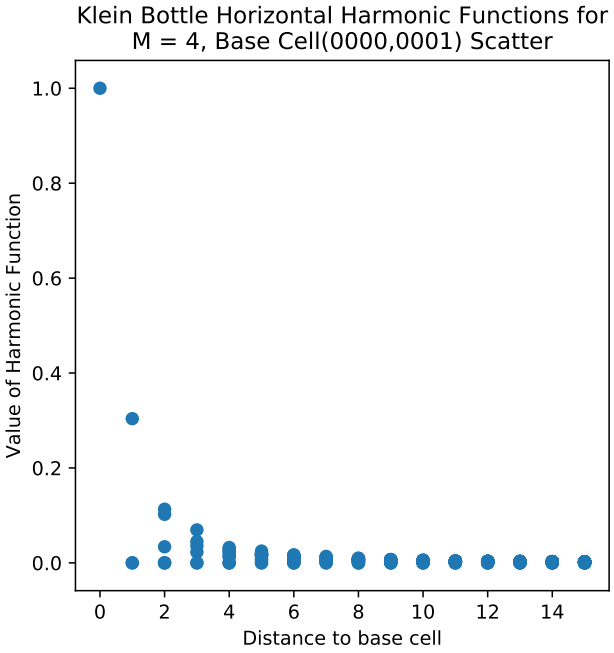
(Regular)



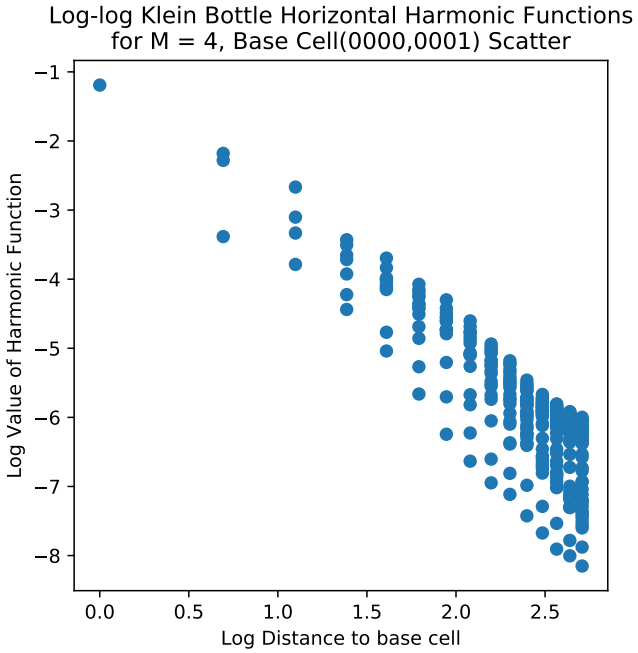
(Log)

2 Base Cell(0000,0001)

(Regular)

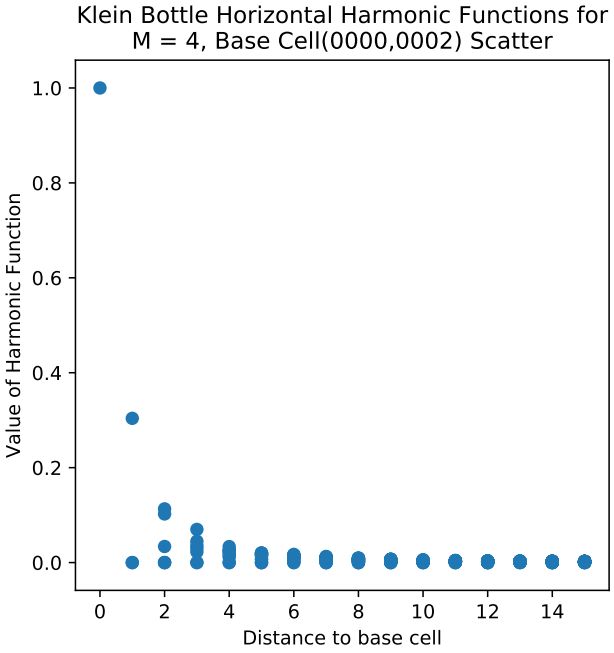


(Log)

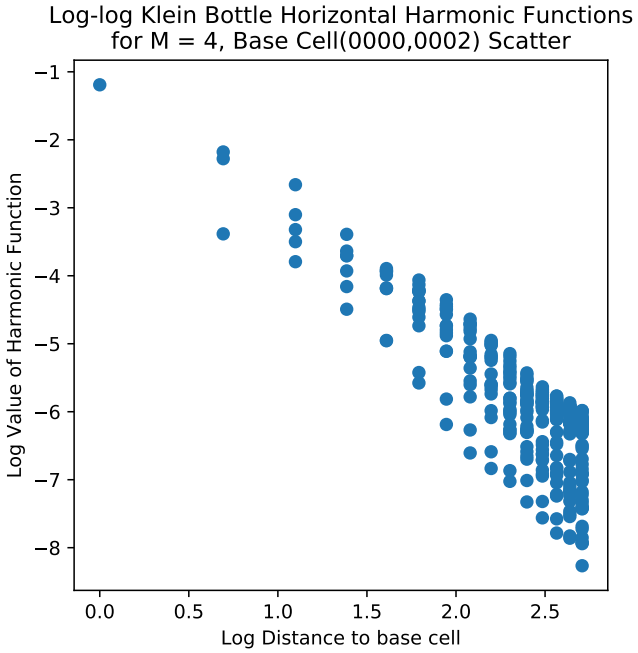


3 Base Cell(0000,0002)

(Regular)



(Log)



4 Base Cell(0000,0010)

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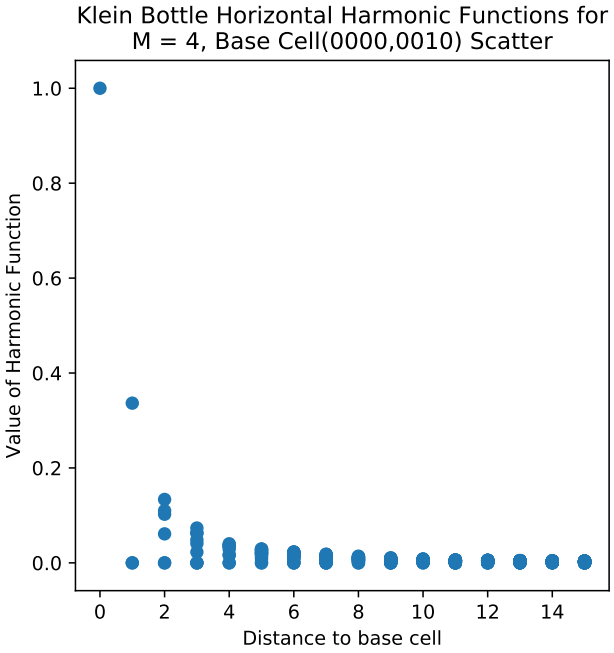
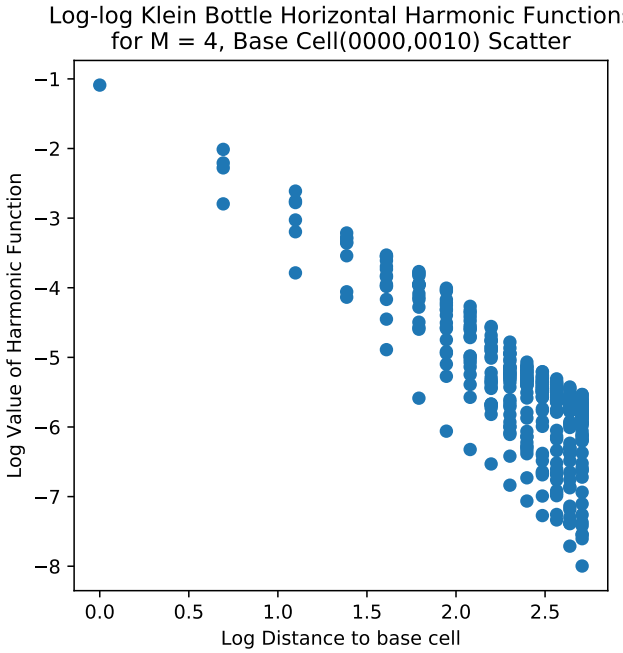
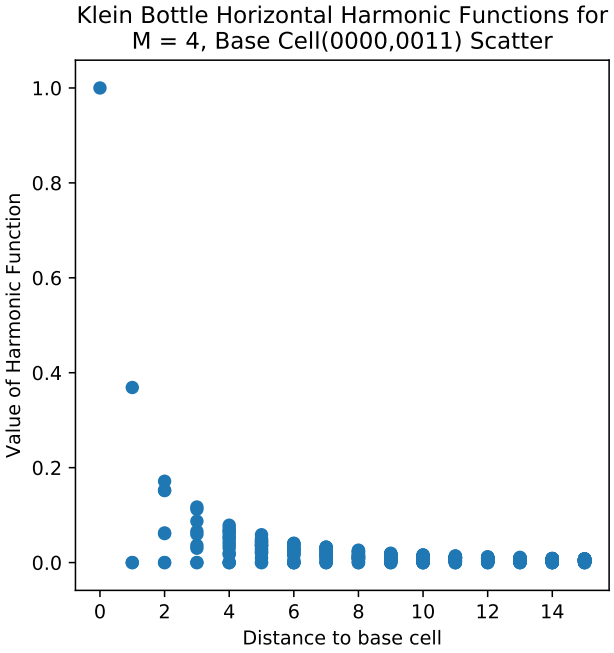


(Log)



5 Base Cell(0000,0011)

(Regular)



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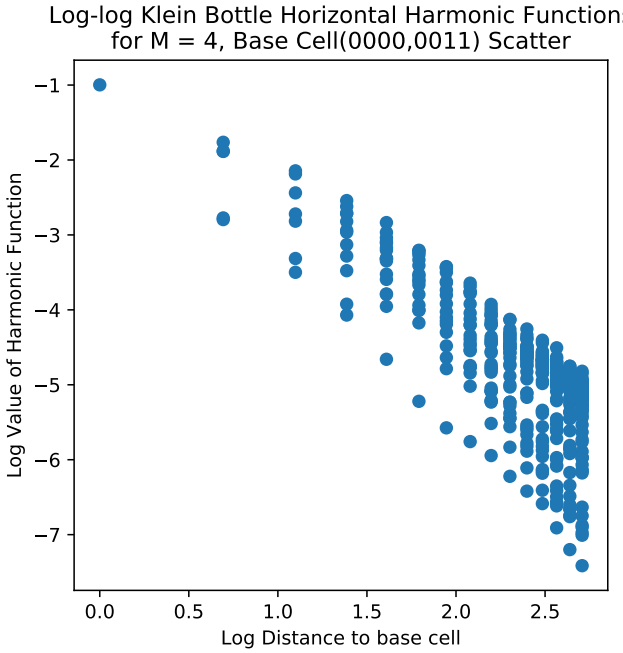

6 Base Cell(0000,0012)

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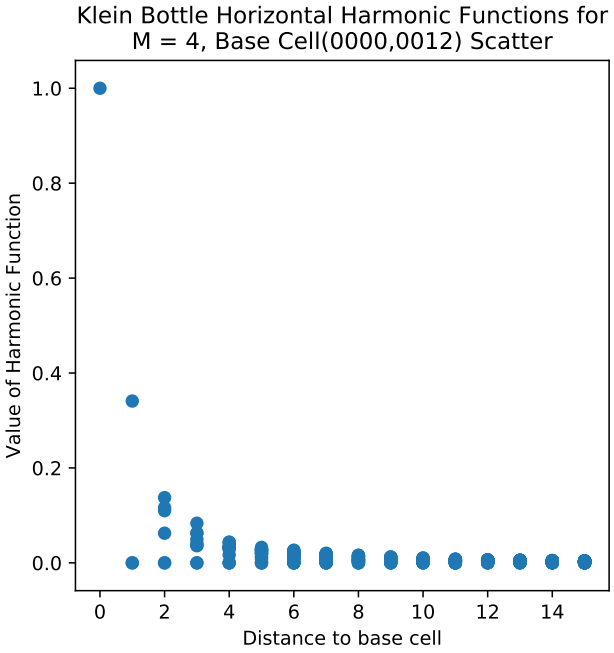

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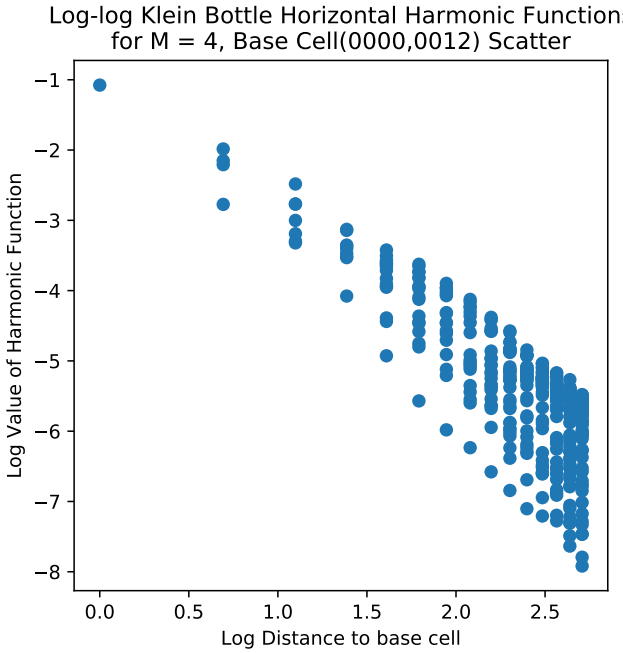

7 Base Cell(0000,0020)

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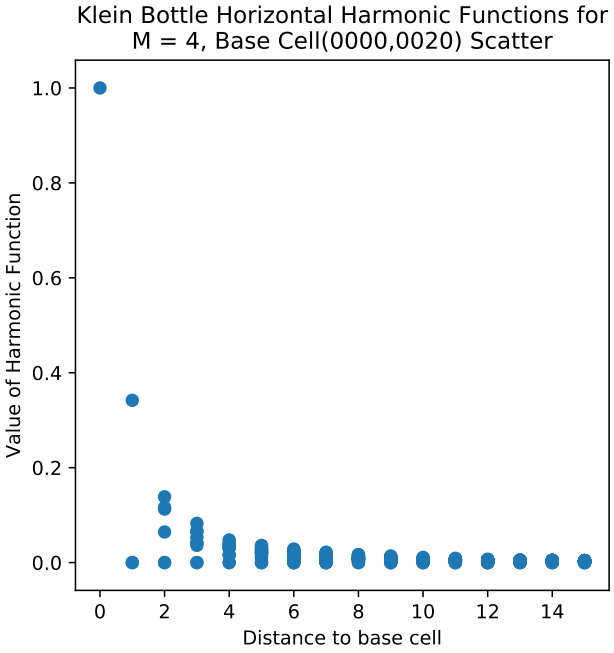

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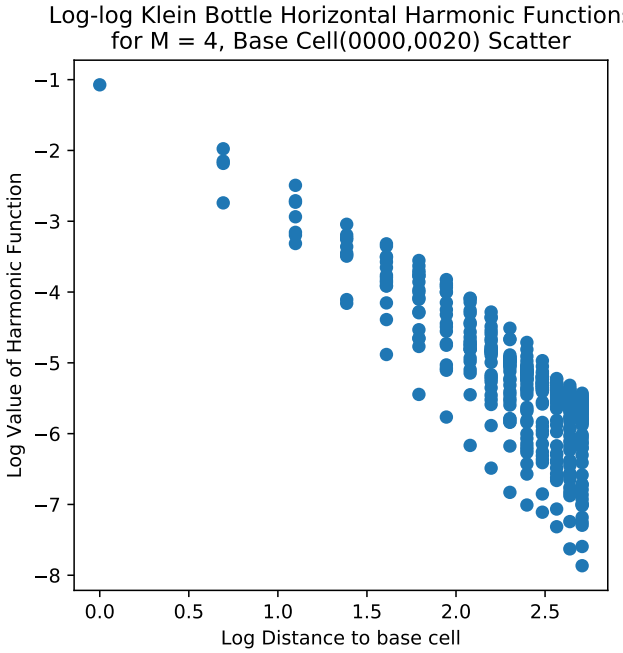

8 Base Cell(0000,0021)

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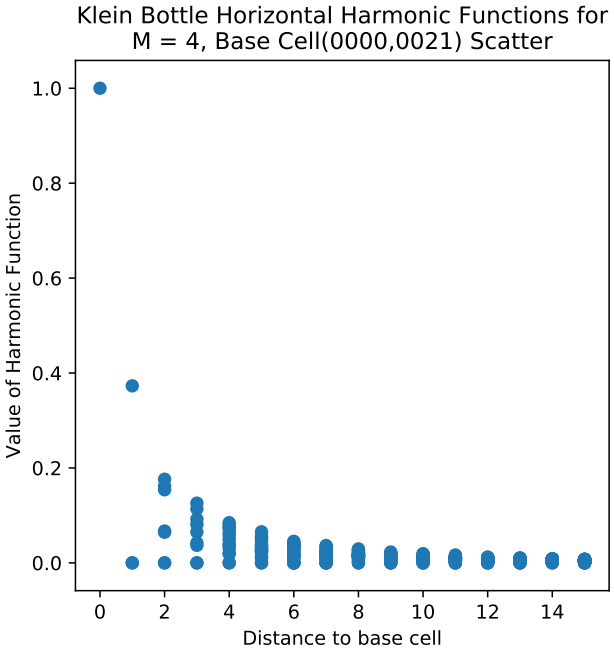
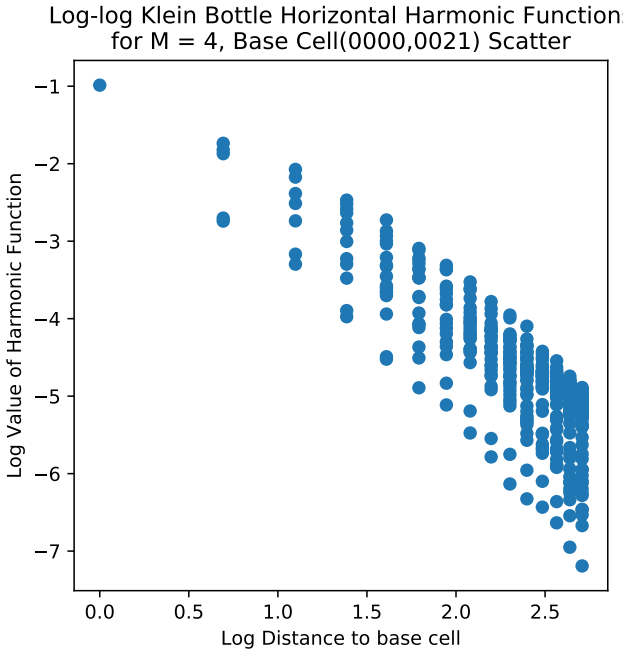


(Log)



9 Base Cell(0000,0022)

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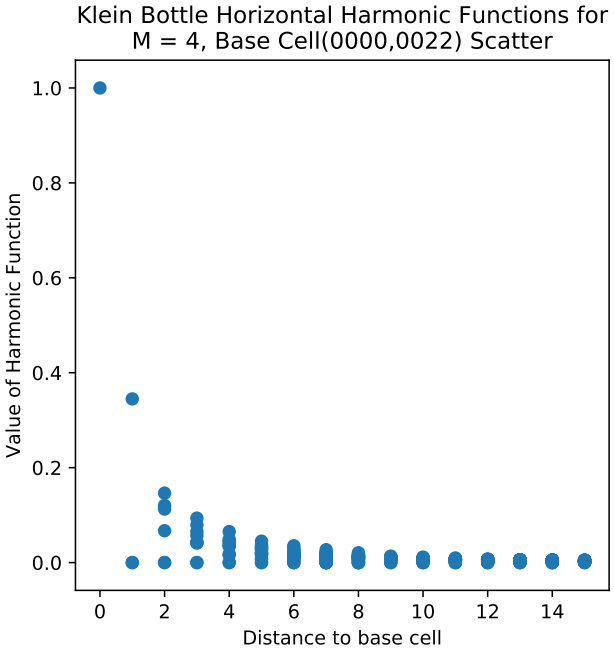

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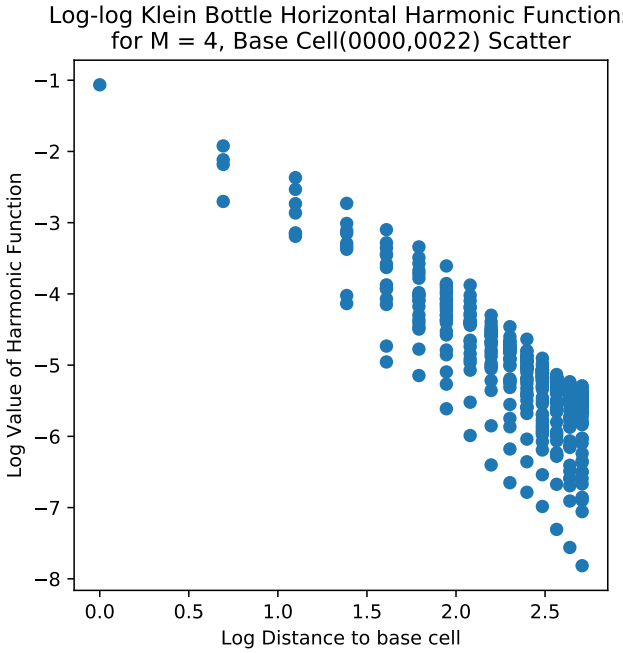

10 Base Cell(0000,0100)

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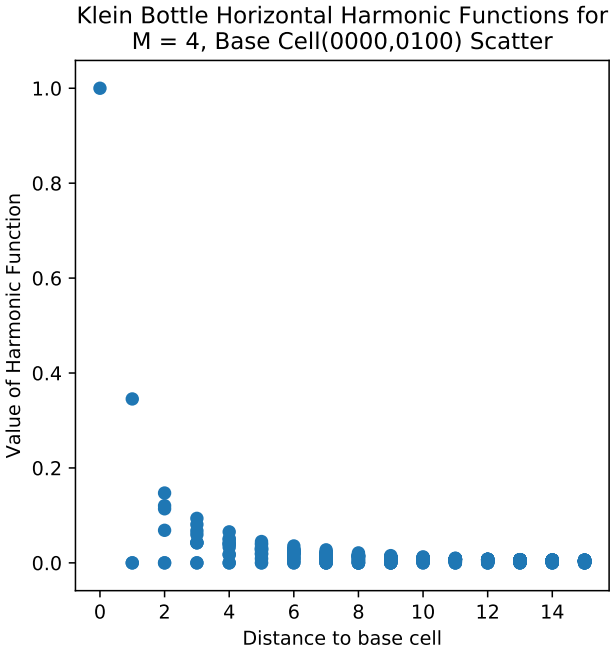
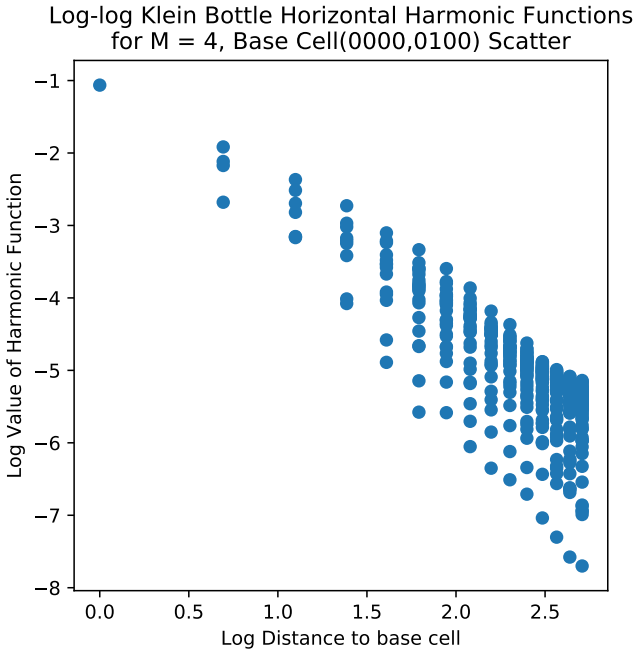


(Log)



11 Base Cell(0000,0101)

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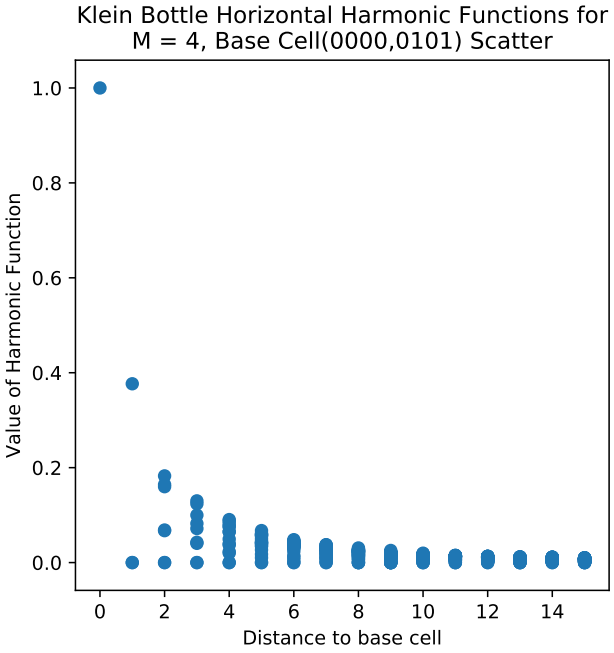

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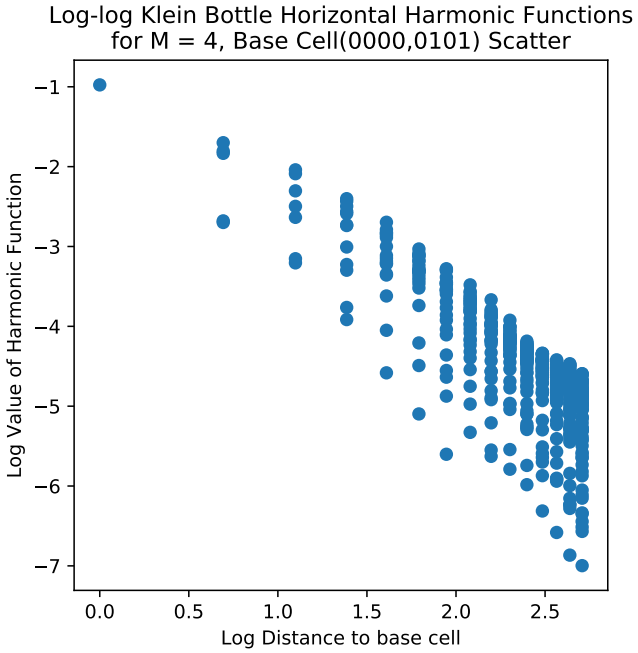

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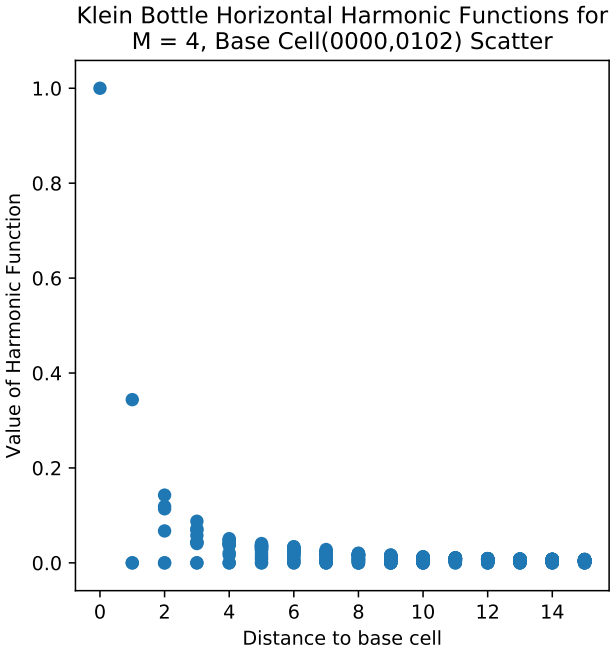

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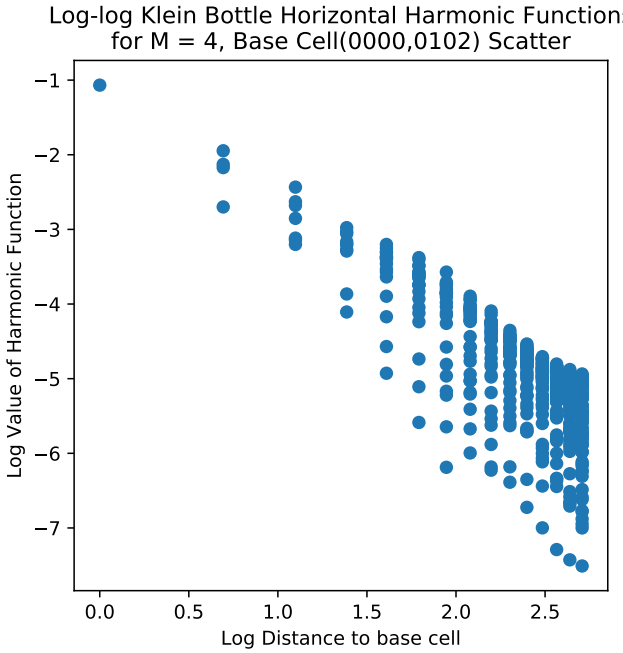

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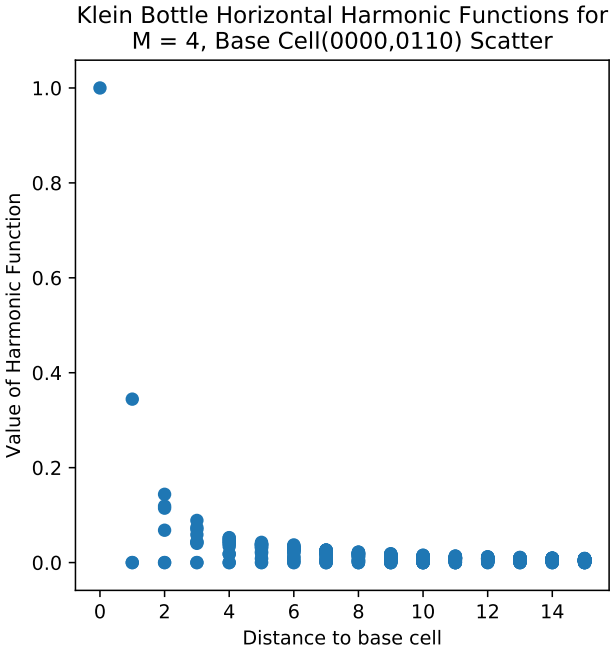

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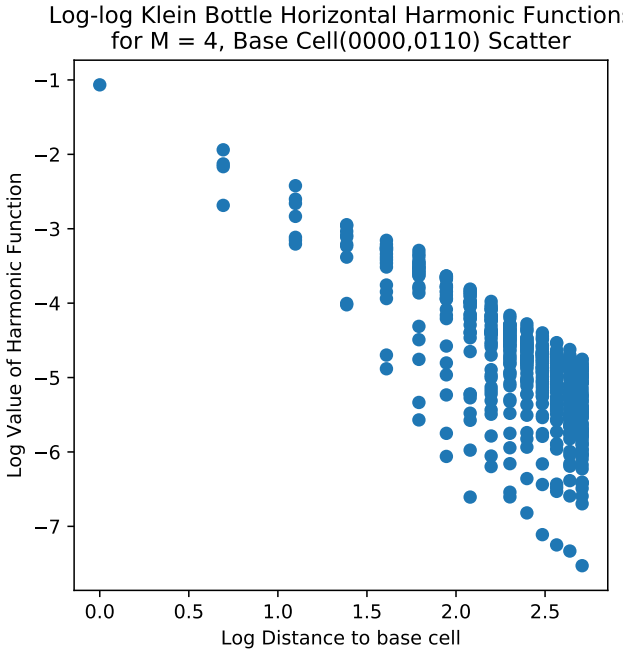

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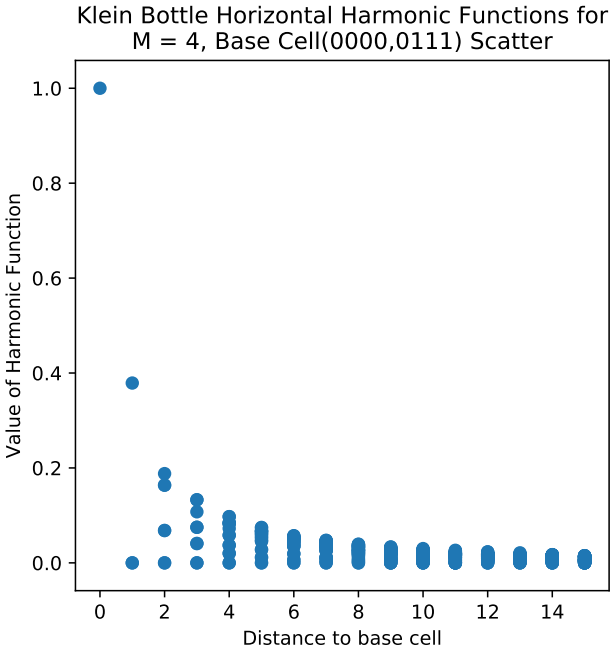
(Regular)



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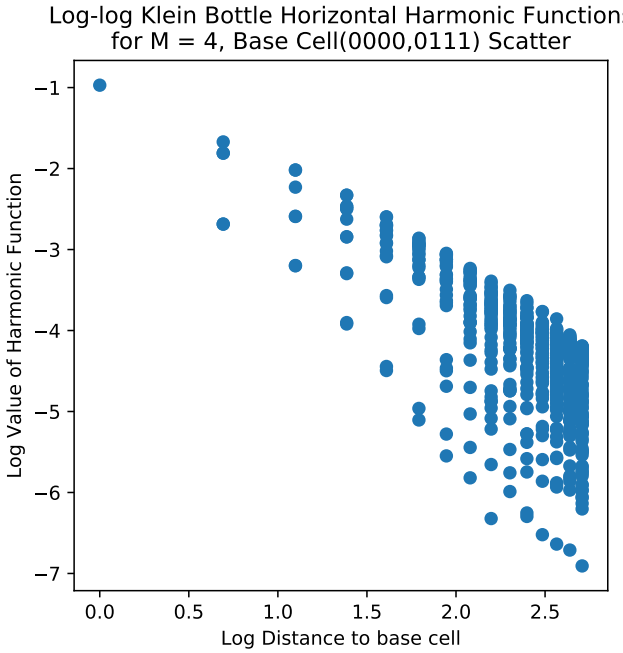

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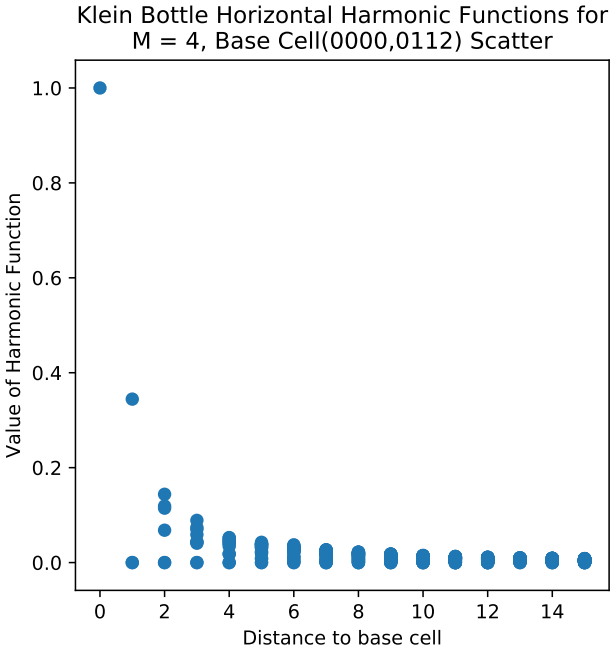

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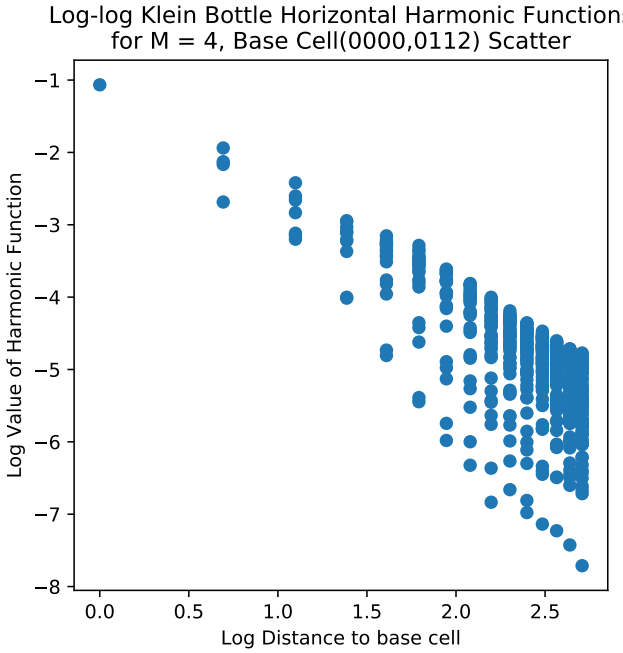

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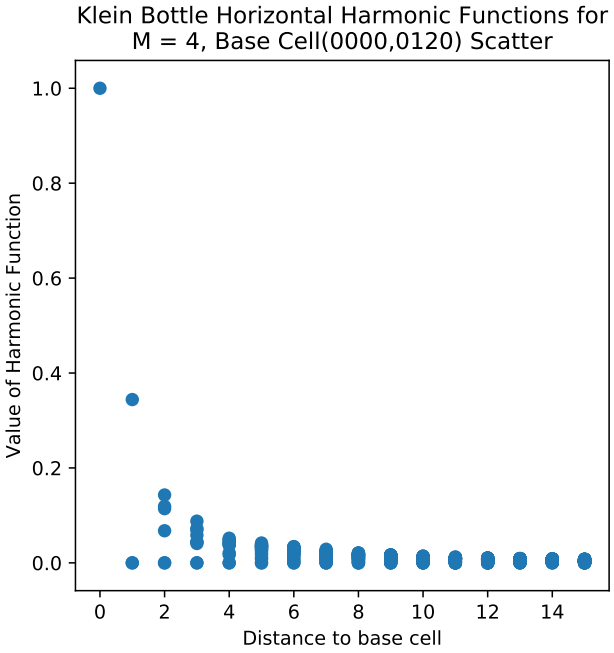

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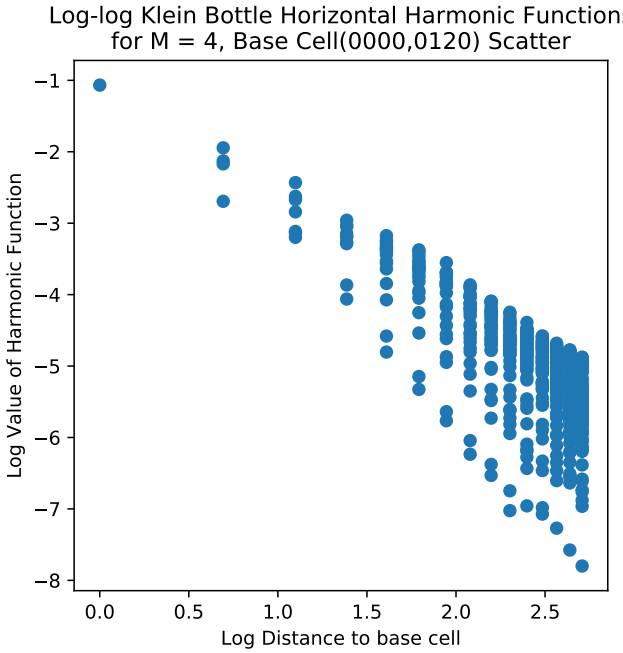

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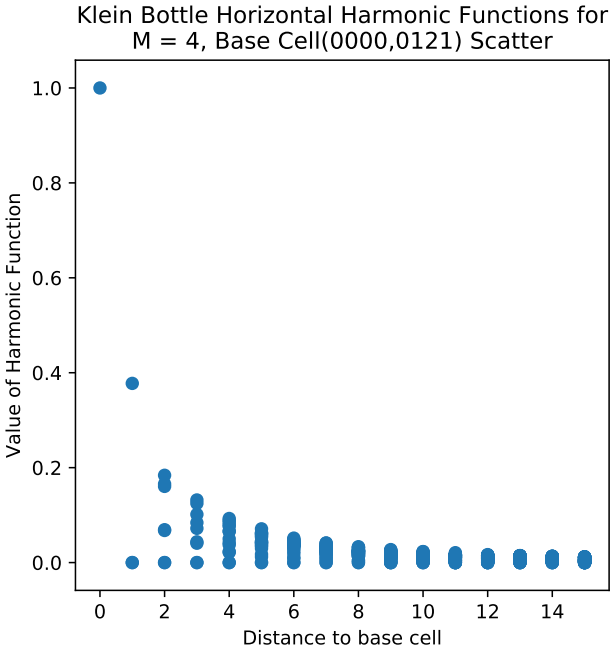
(Regular)



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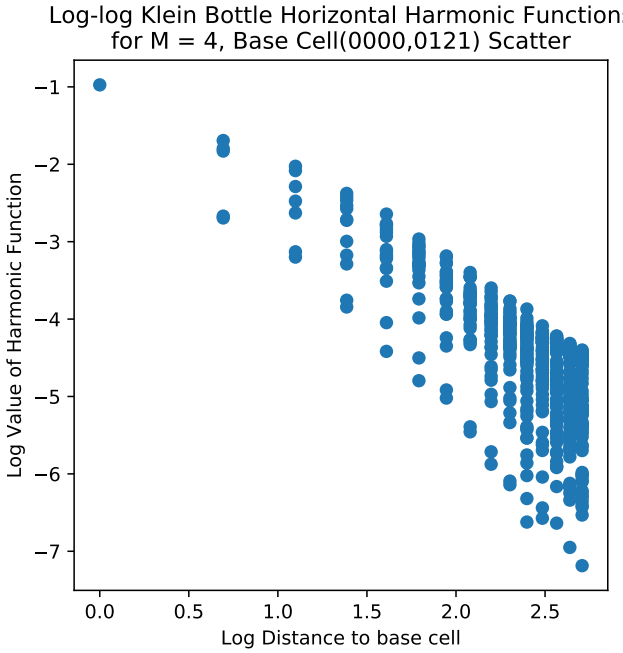

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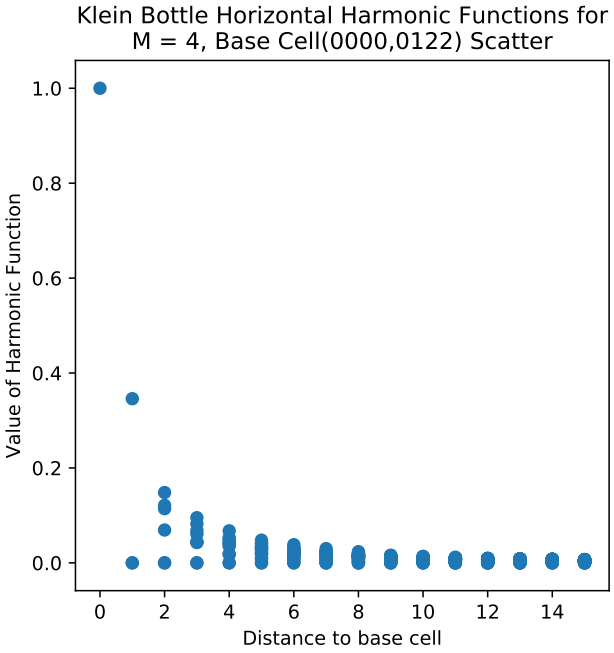

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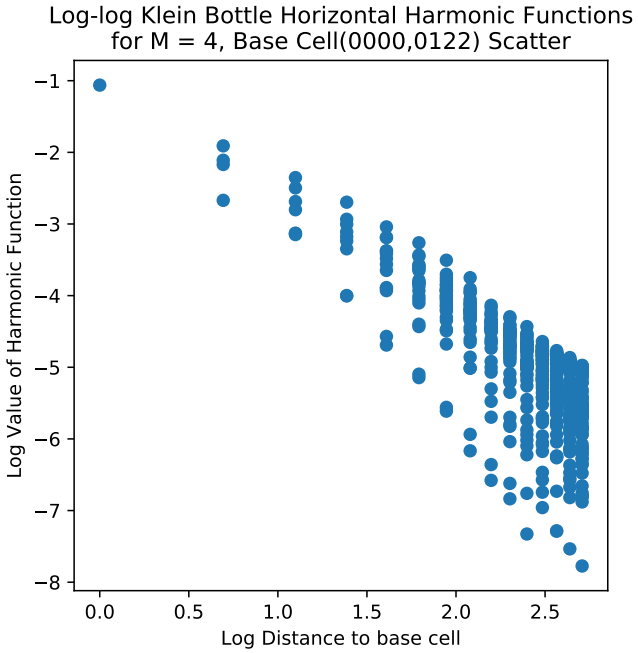

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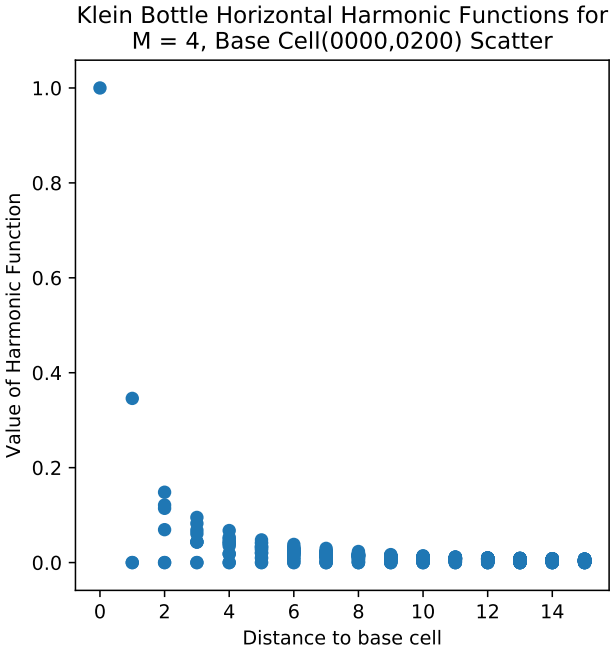
(Regular)



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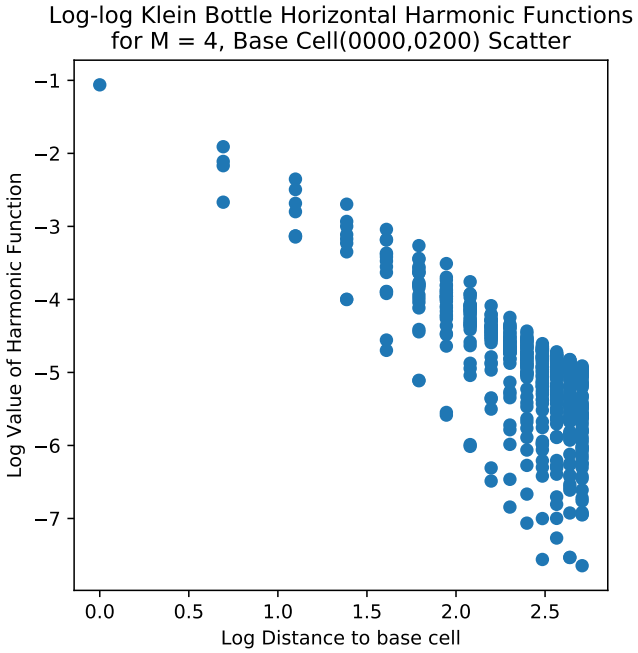

20 Base Cell(0000,0201)

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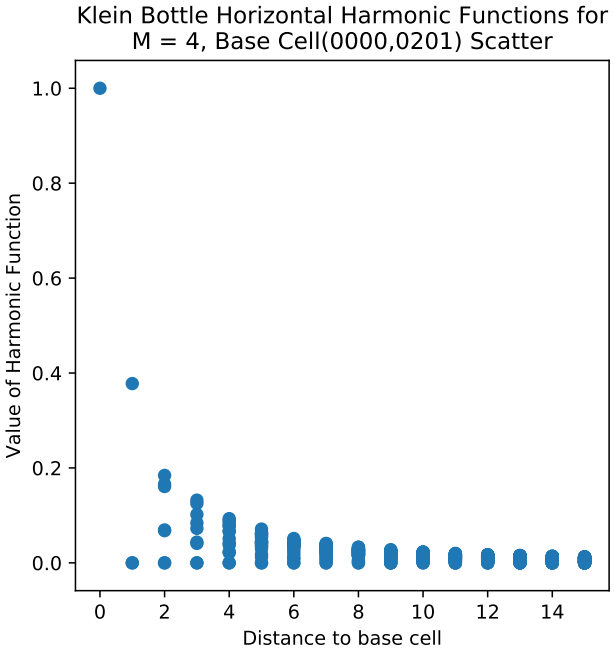

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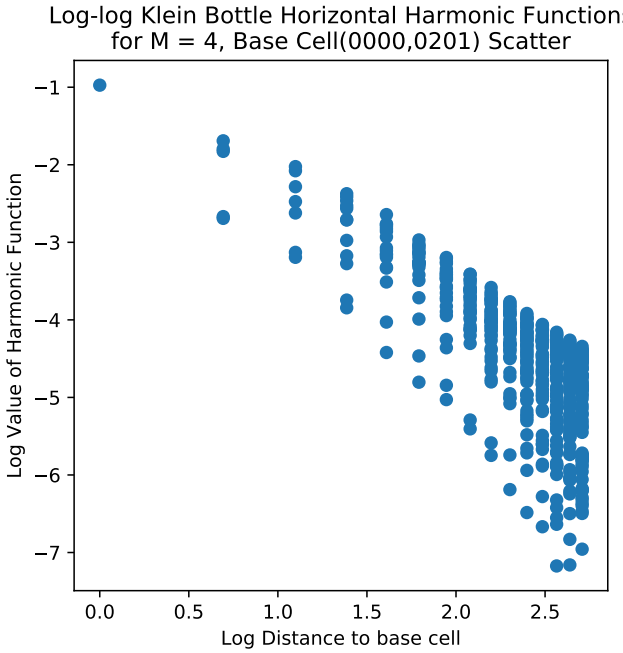

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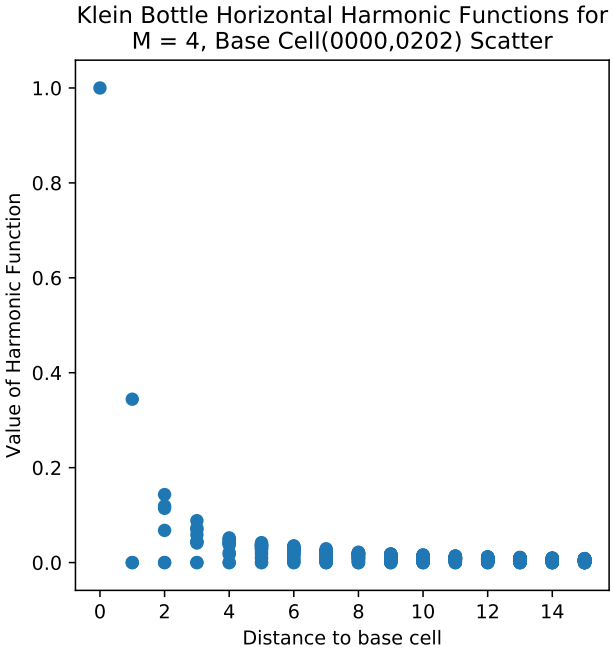

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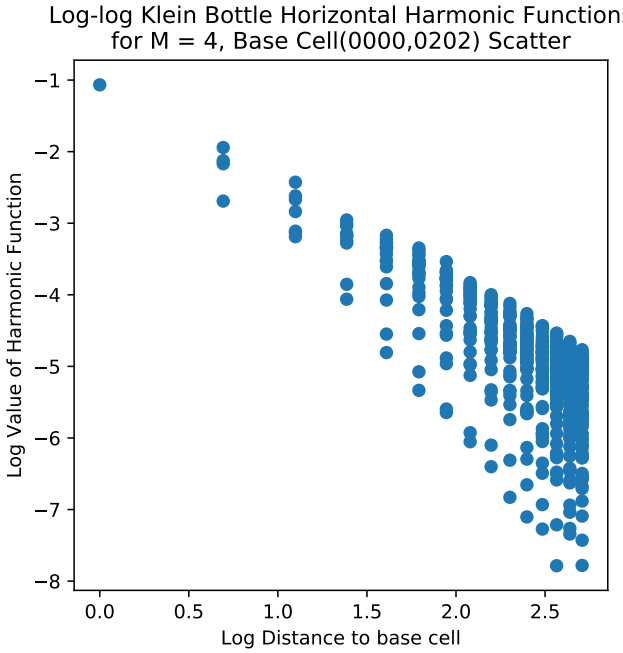

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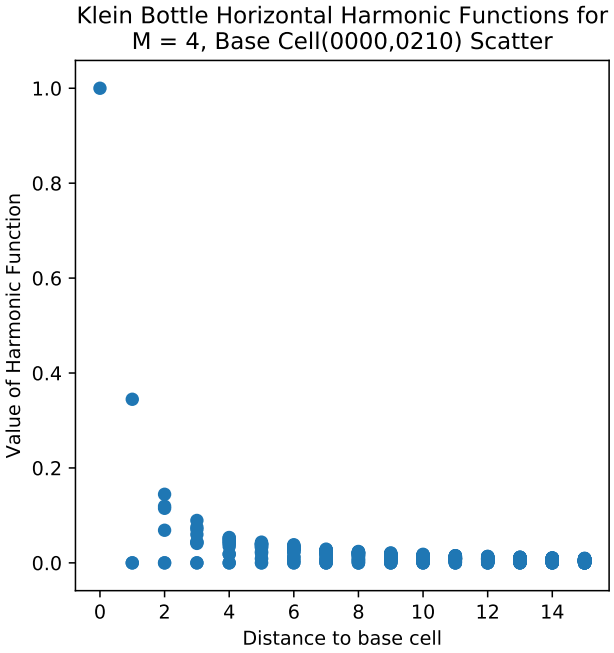

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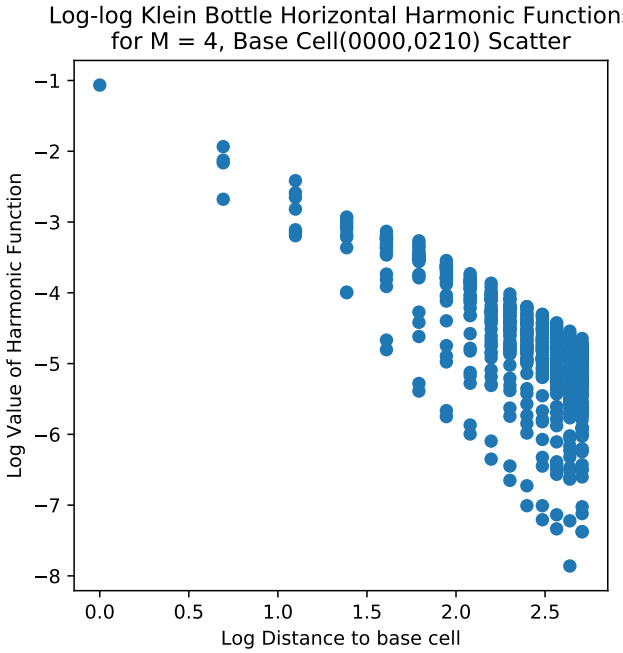

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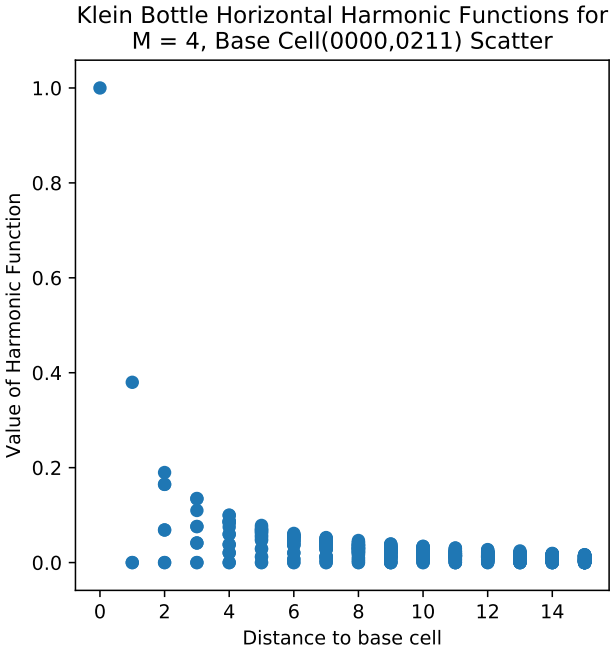

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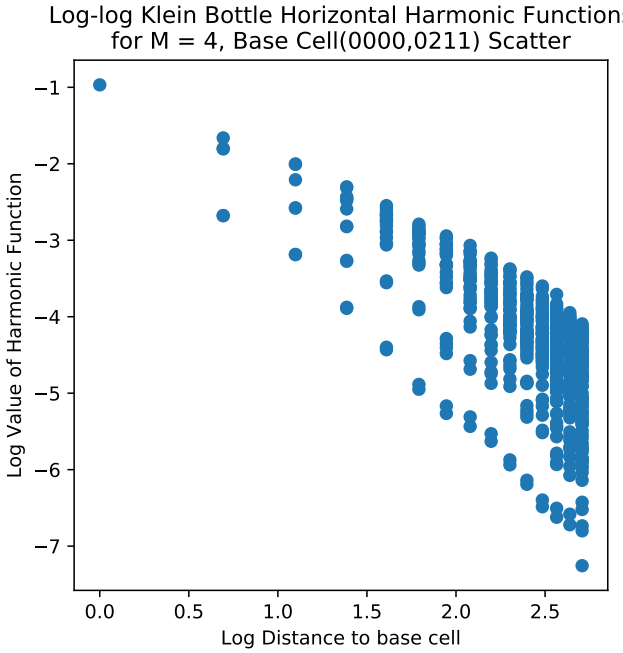

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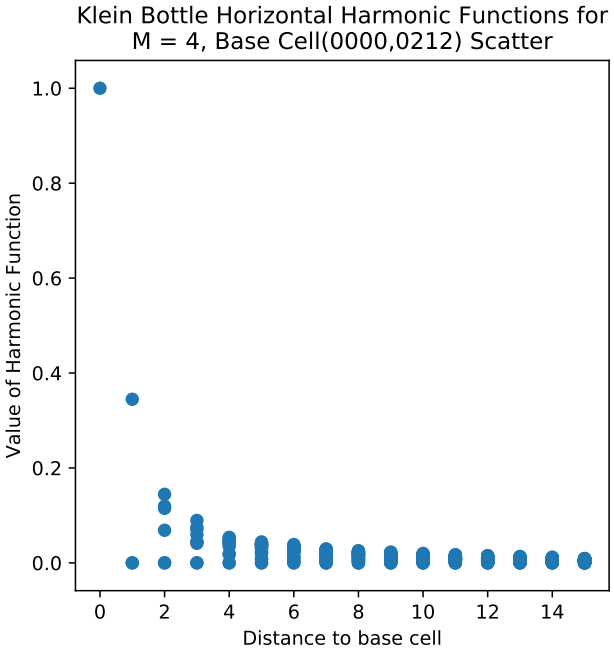

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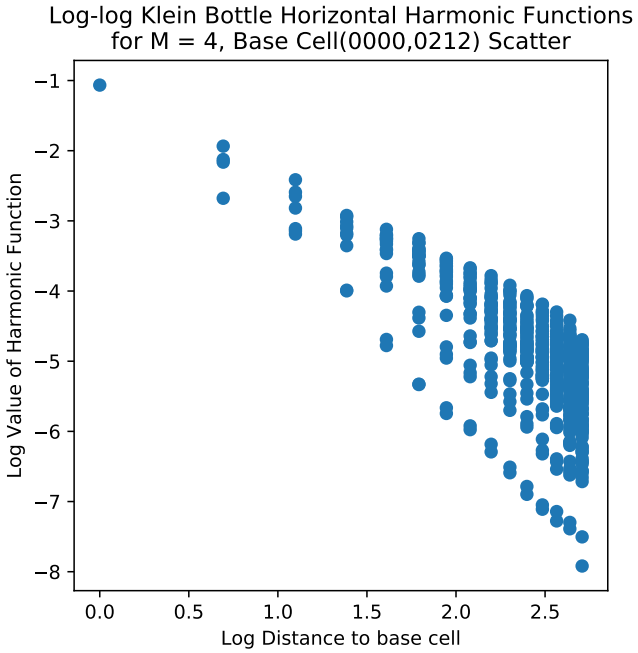

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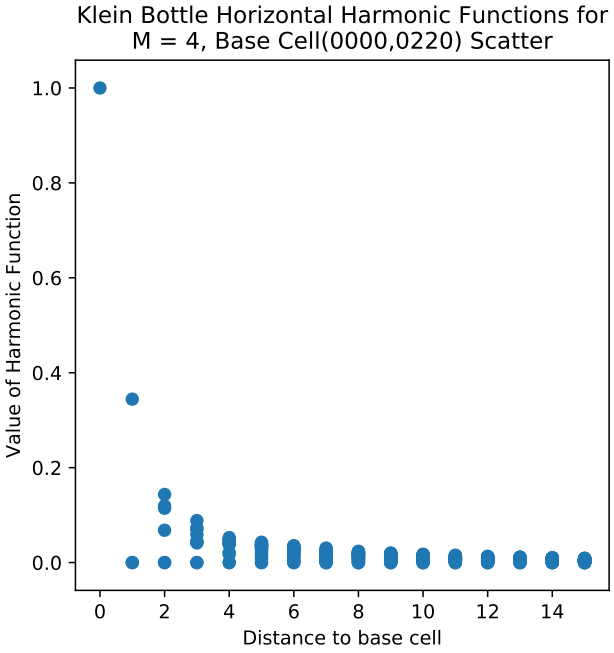

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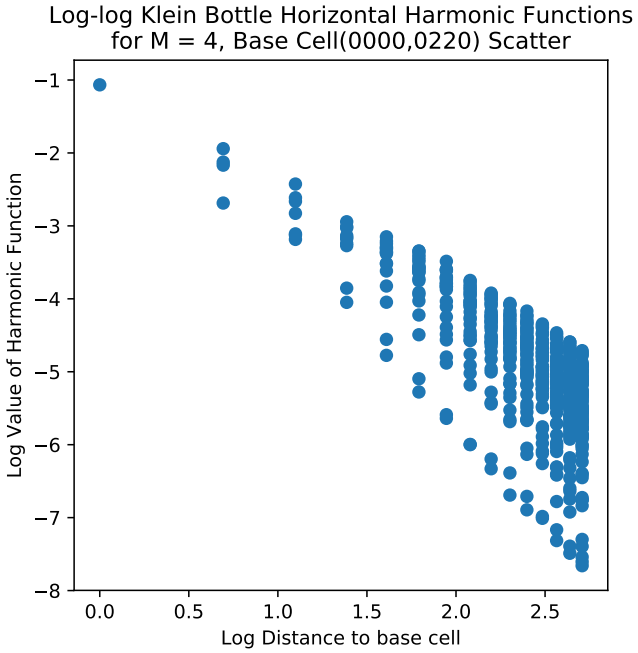

26 Base Cell(0000,0221)

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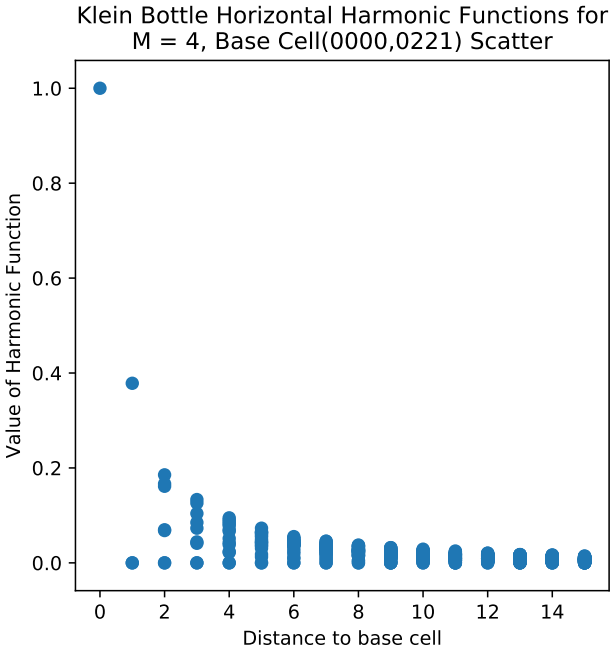

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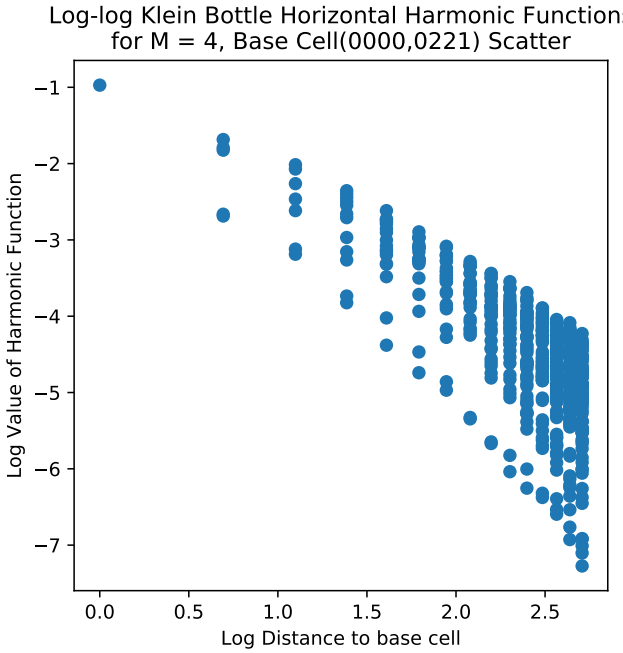

27 Base Cell(0000,0222)

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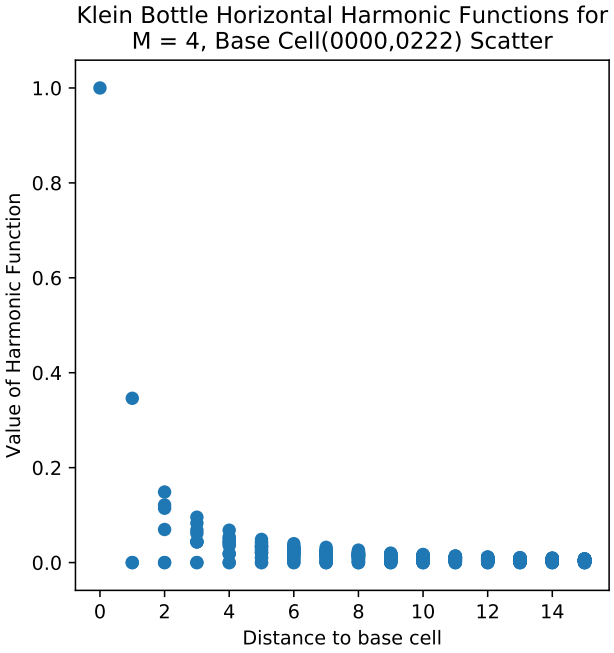

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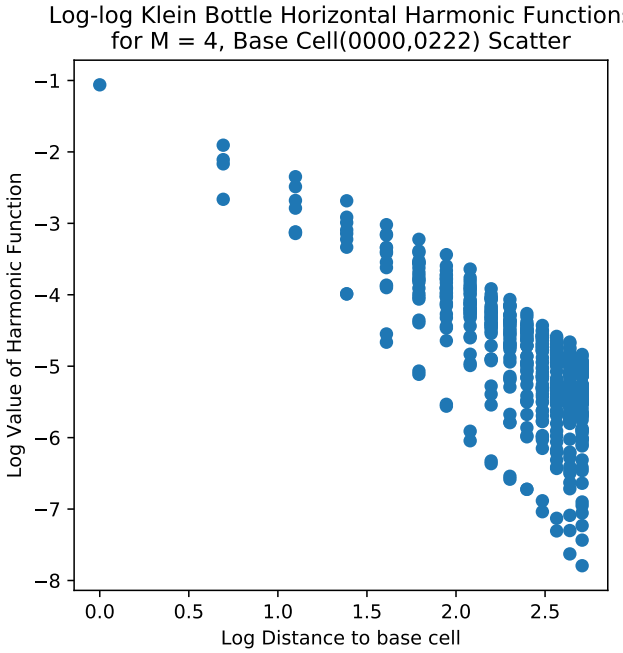
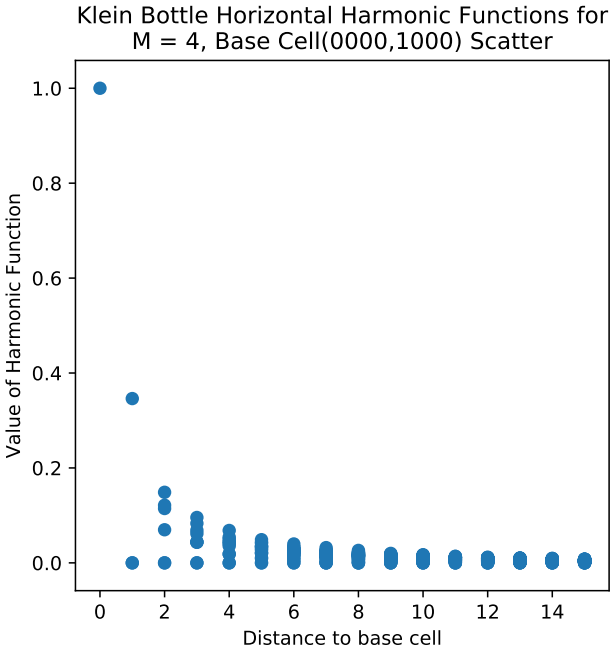


28 Base Cell(0000,1000)

(Regular)



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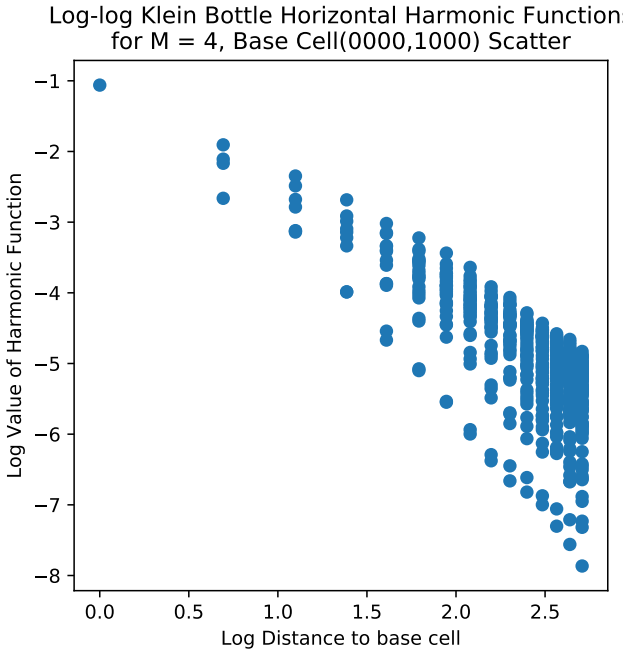

29 Base Cell(0000,1001)

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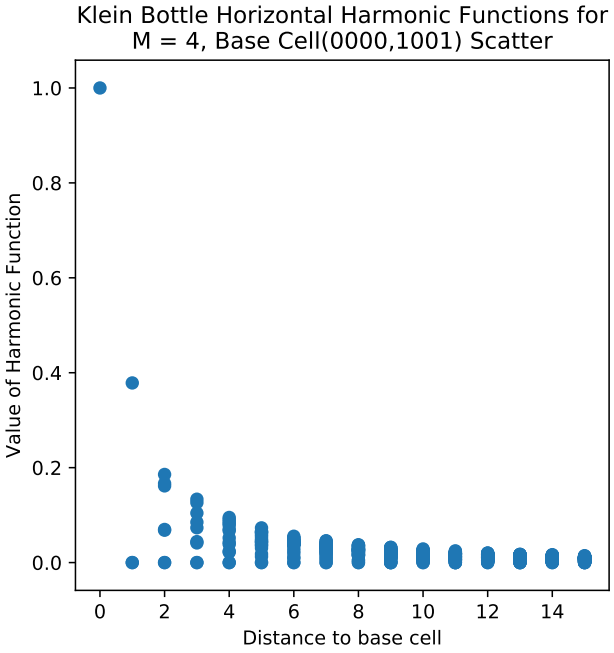

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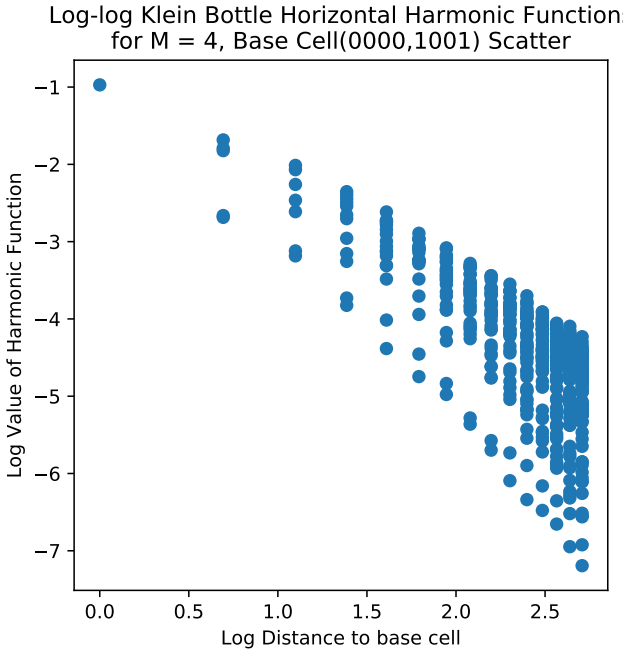

30 Base Cell(0000,1002)

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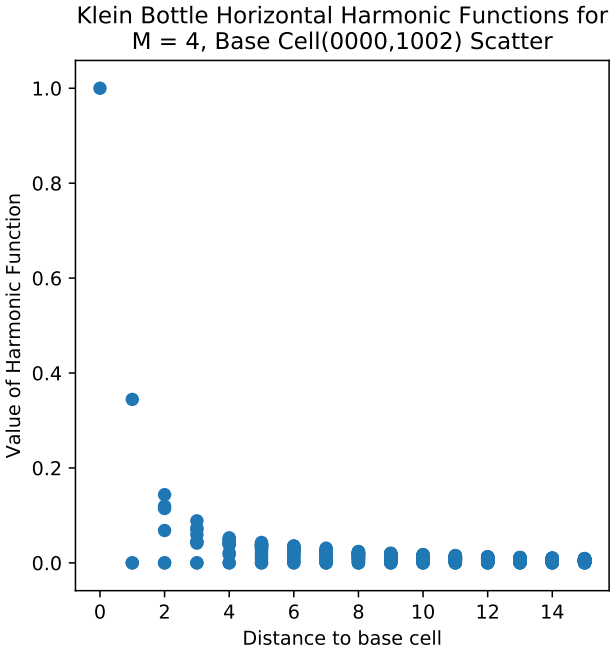
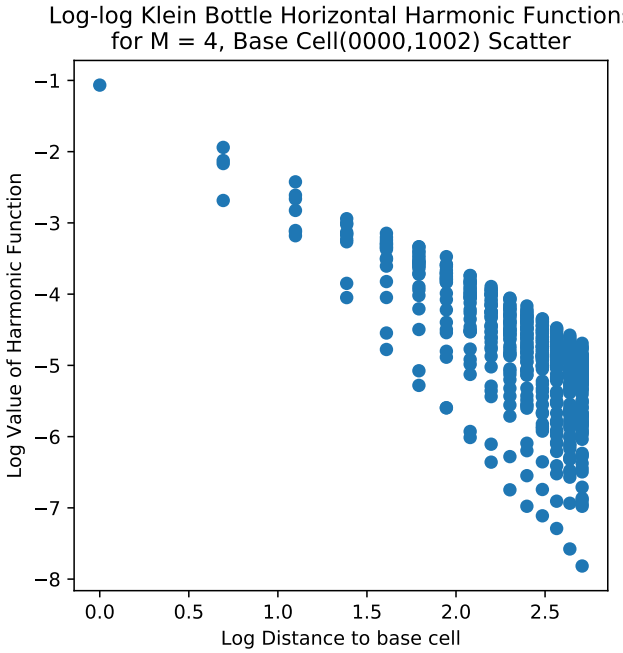
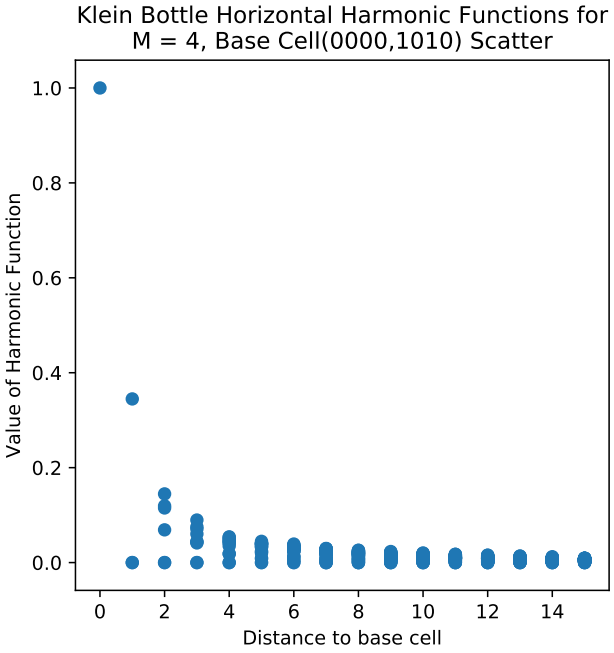


(Log)



31 Base Cell(0000,1010)

(Regular)



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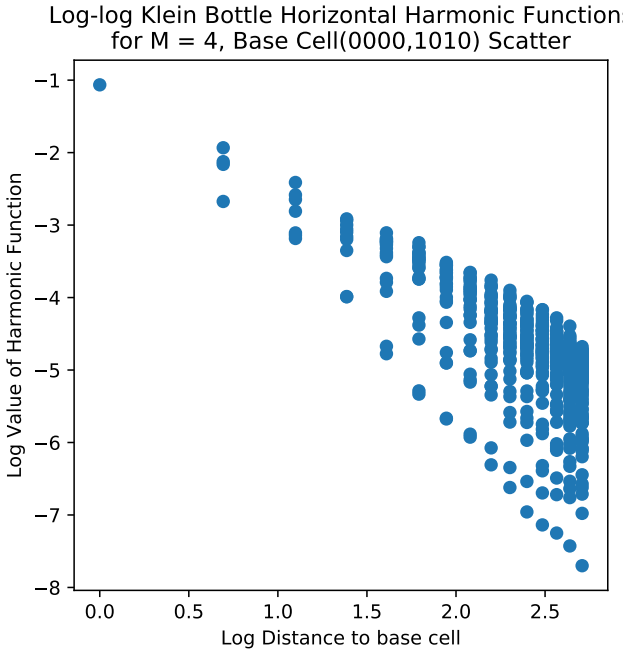
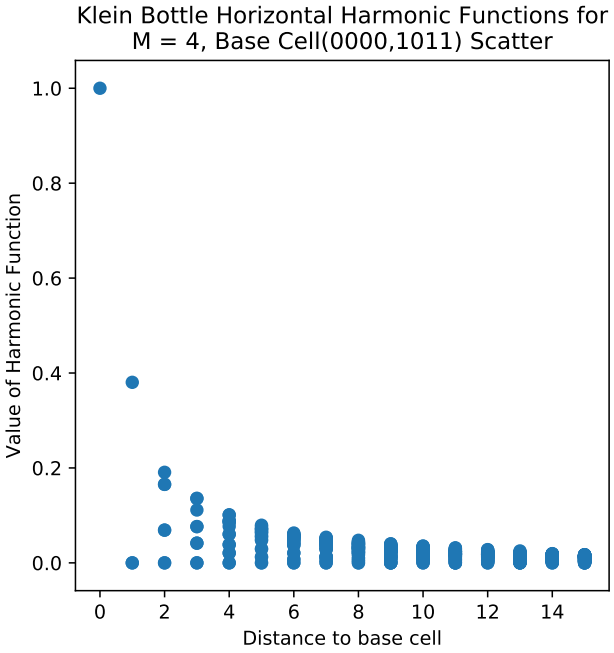


32 Base Cell(0000,1011)

(Regular)



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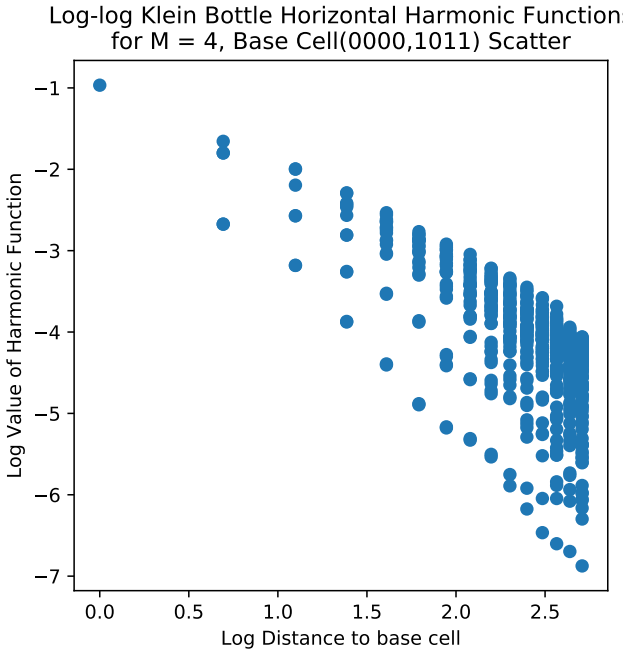
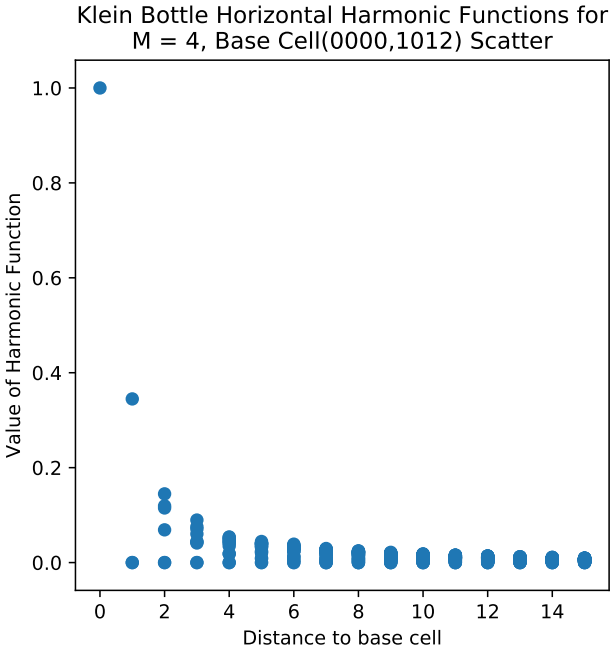
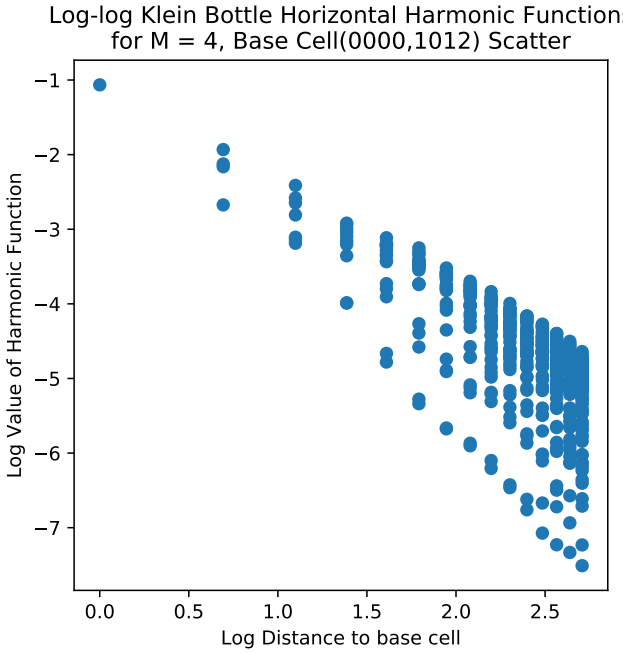


33 Base Cell(0000,1012)

(Regular)

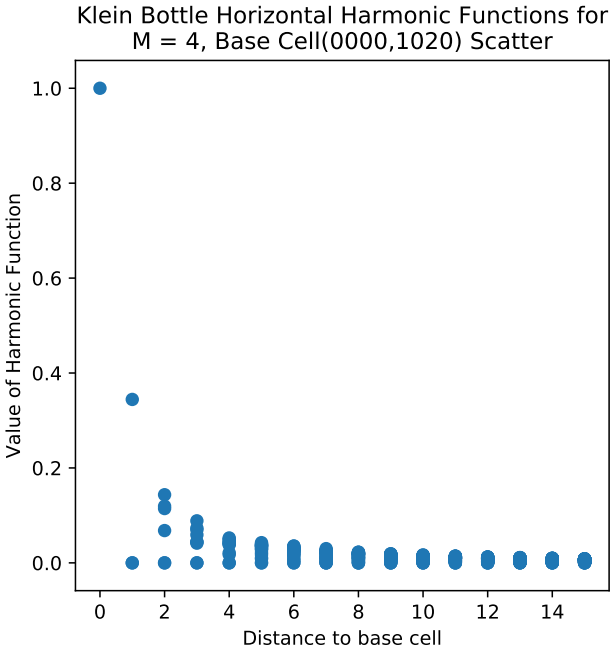


(Log)

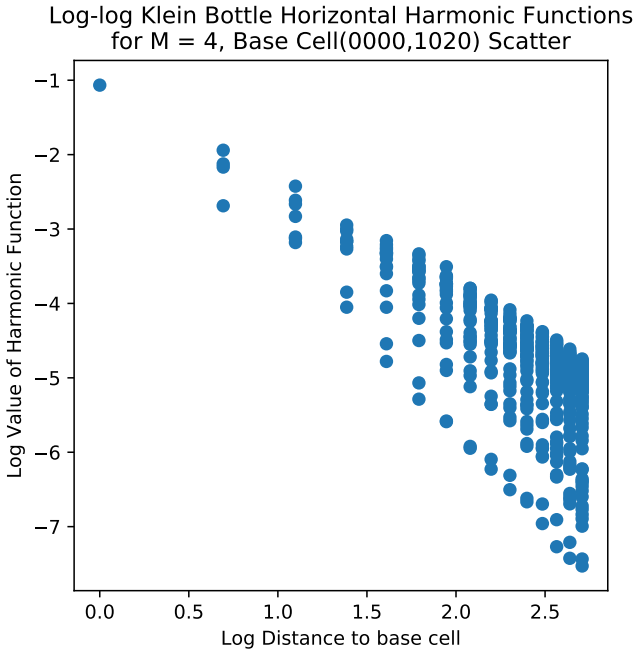


34 Base Cell(0000,1020)

(Regular)

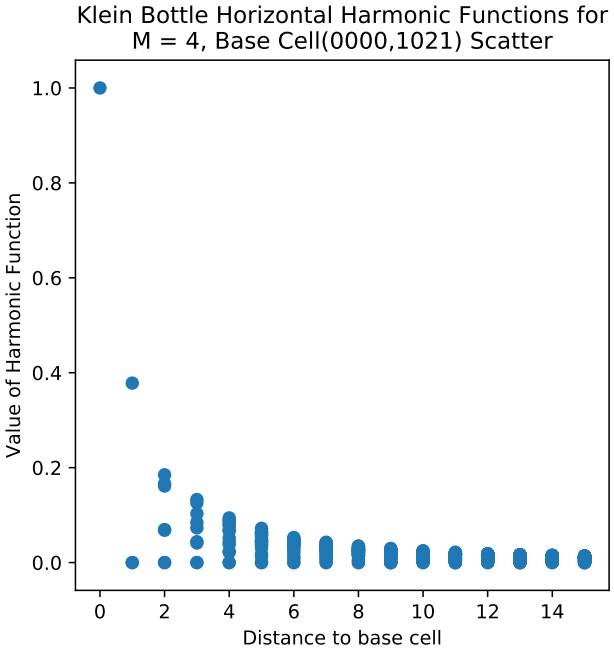


(Log)



35 Base Cell(0000,1021)

(Regular)



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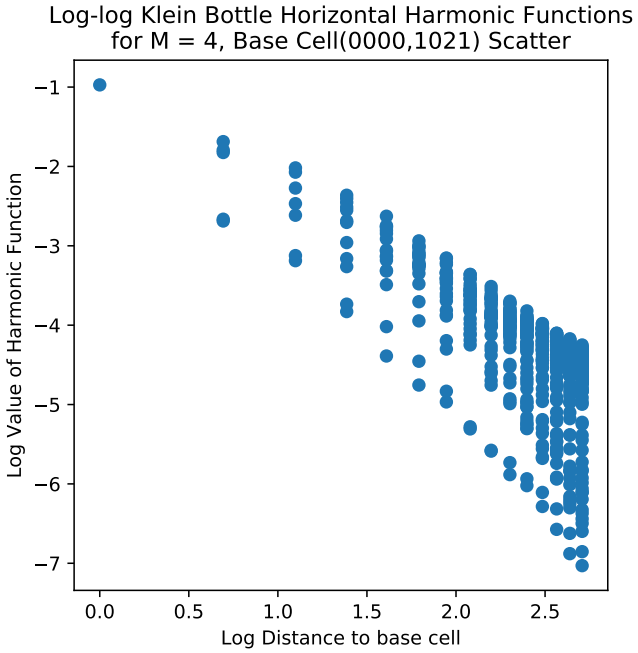
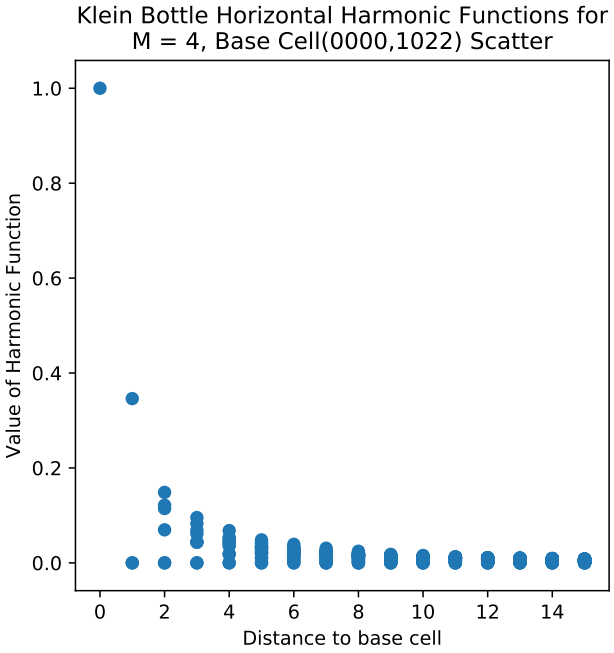
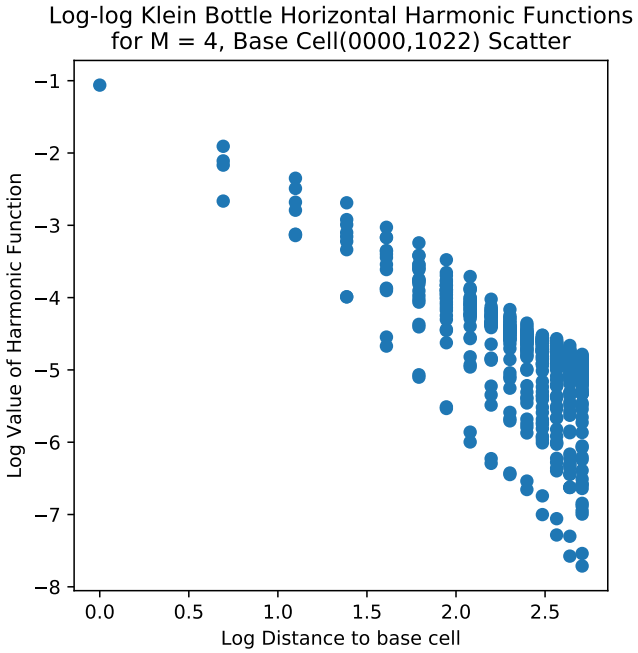


36 Base Cell(0000,1022)

(Regular)

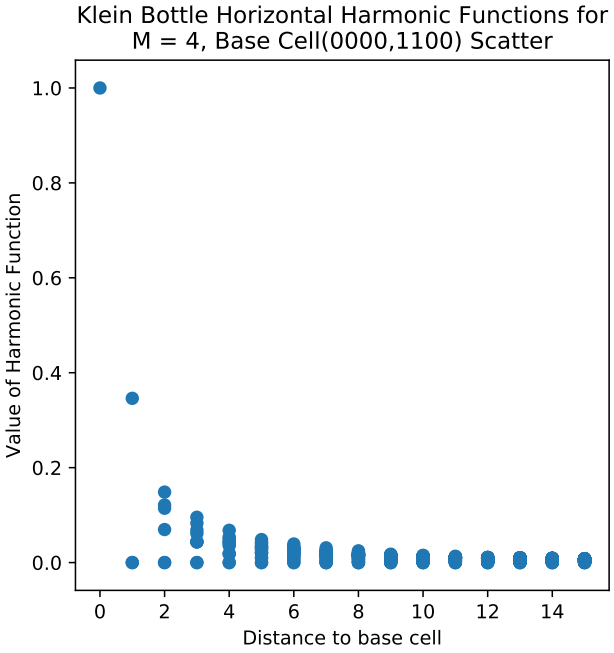


(Log)



37 Base Cell(0000,1100)

(Regular)



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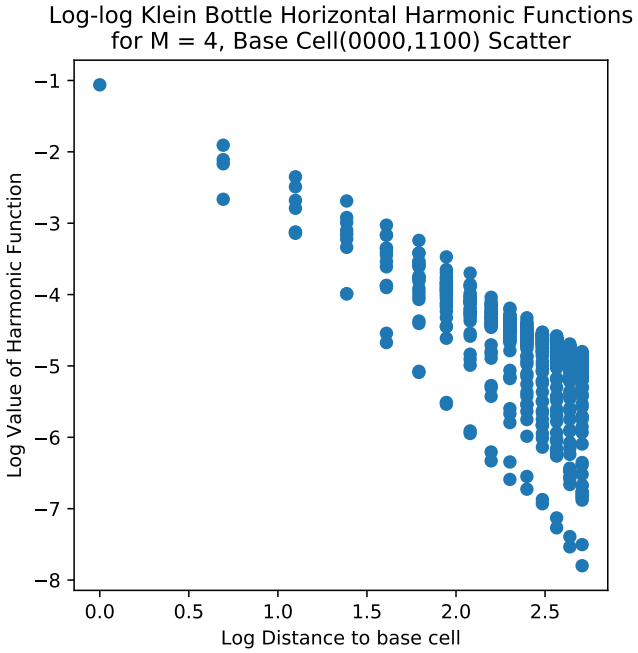
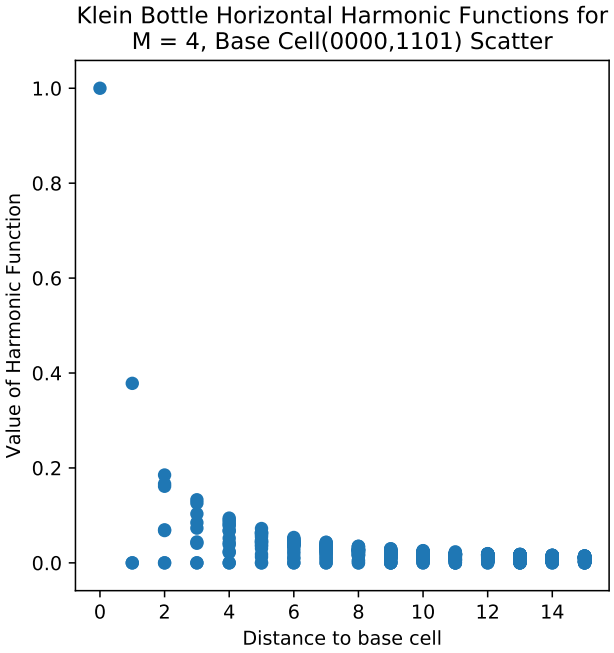


38 Base Cell(0000,1101)

(Regular)



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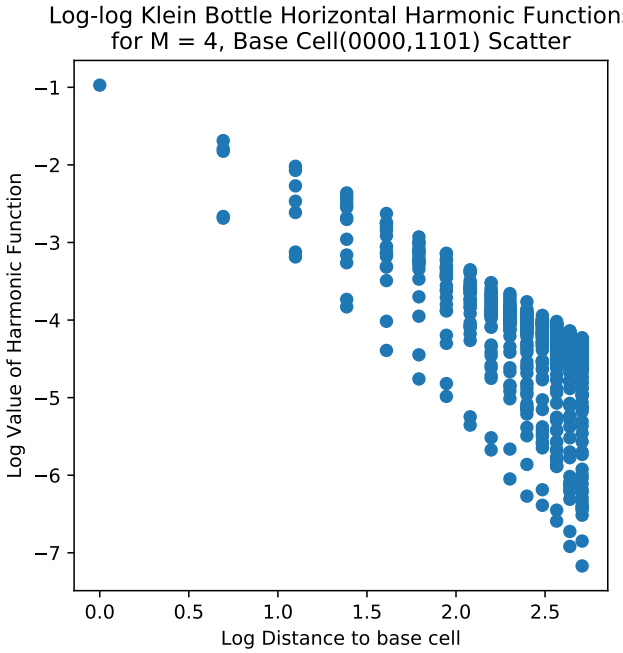
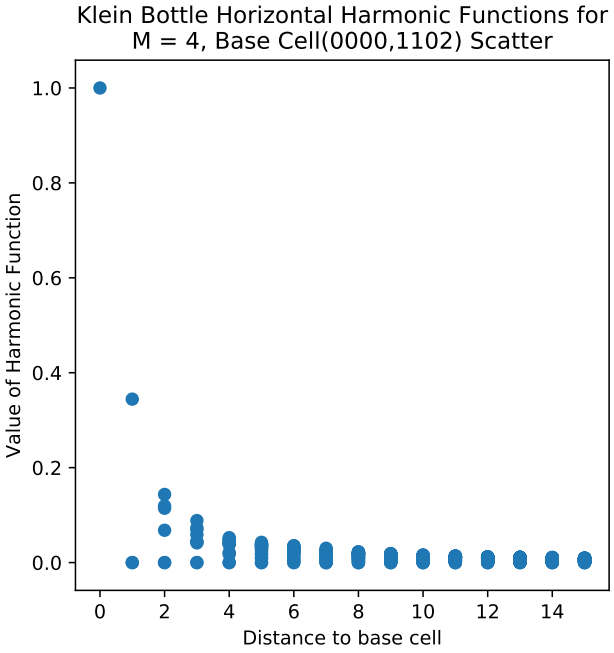


39 Base Cell(0000,1102)

(Regular)



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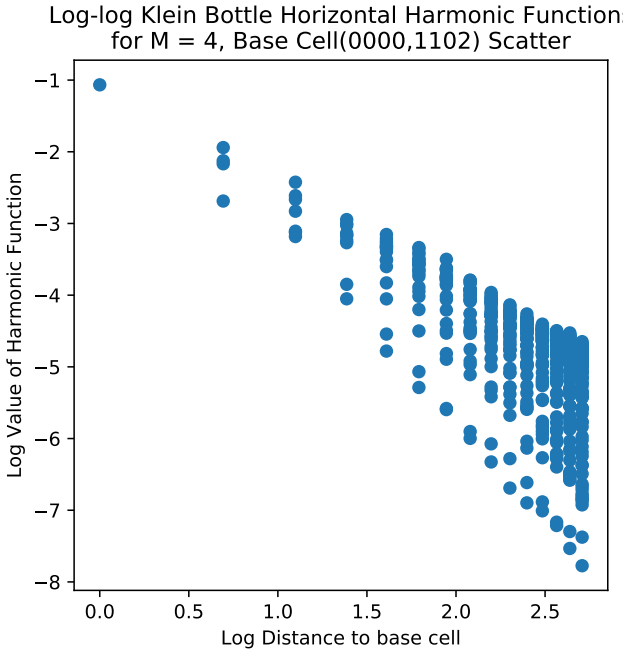
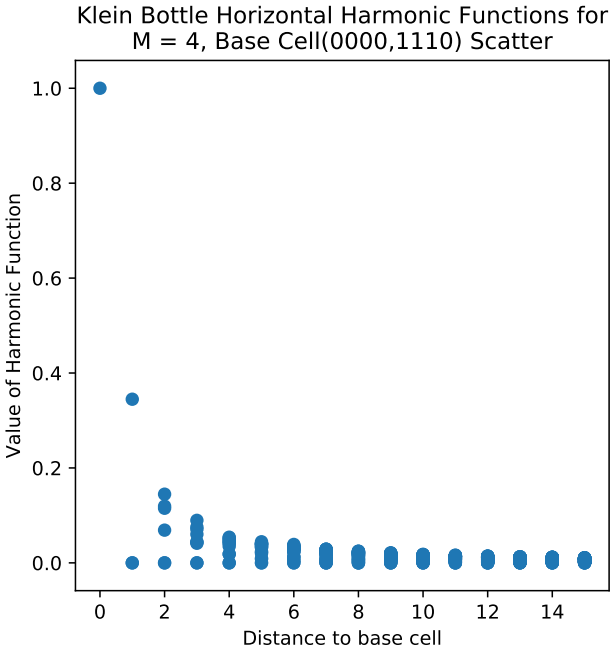


40 Base Cell(0000,1110)

(Regular)



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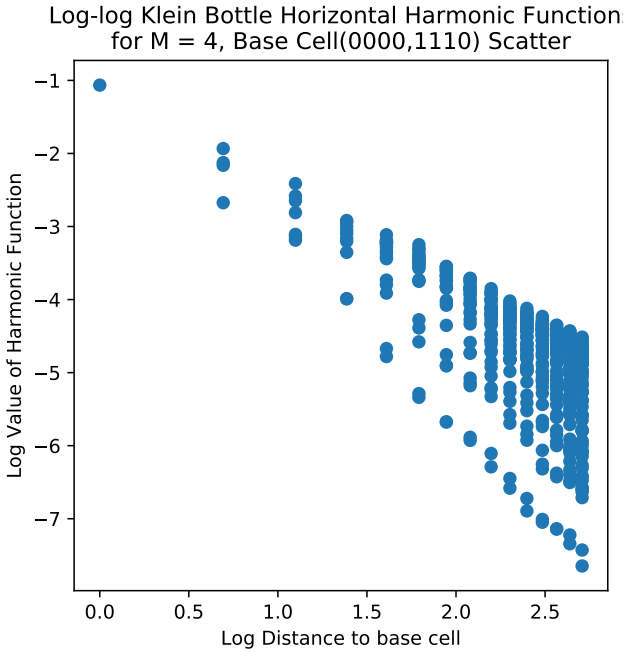
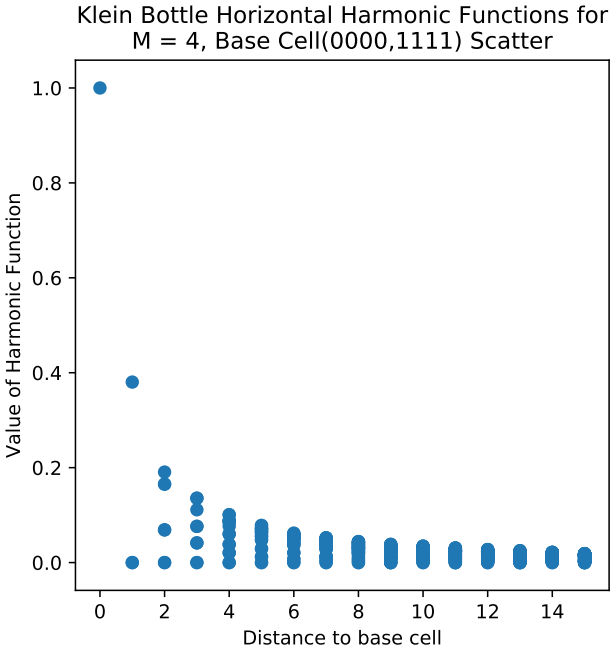


41 Base Cell(0000,1111)

(Regular)



(Log)