

# Harmonic Functions for $M = 4$ with Torus Identifications

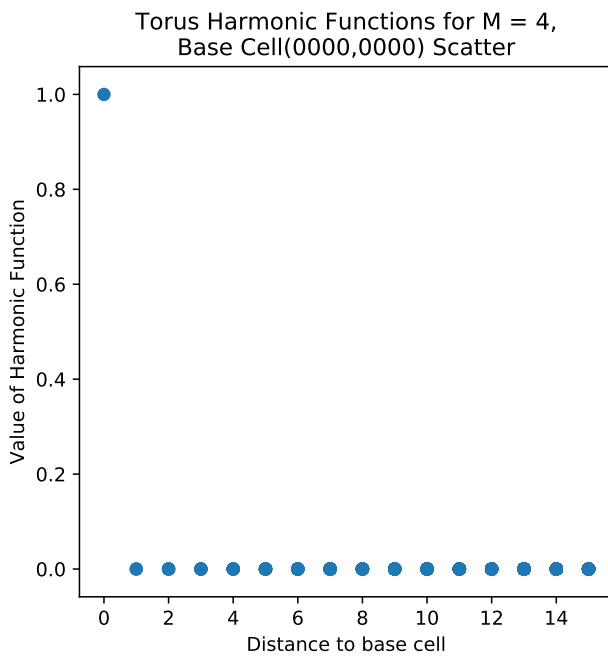
SPUR 2016

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)

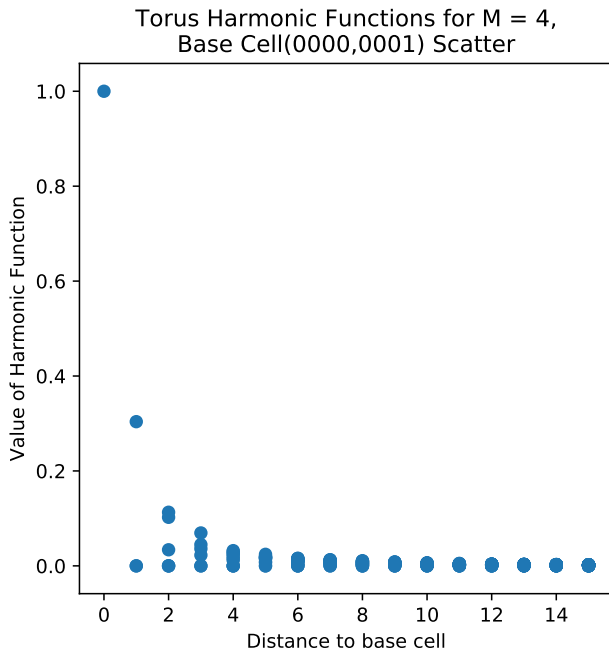
(Regular)



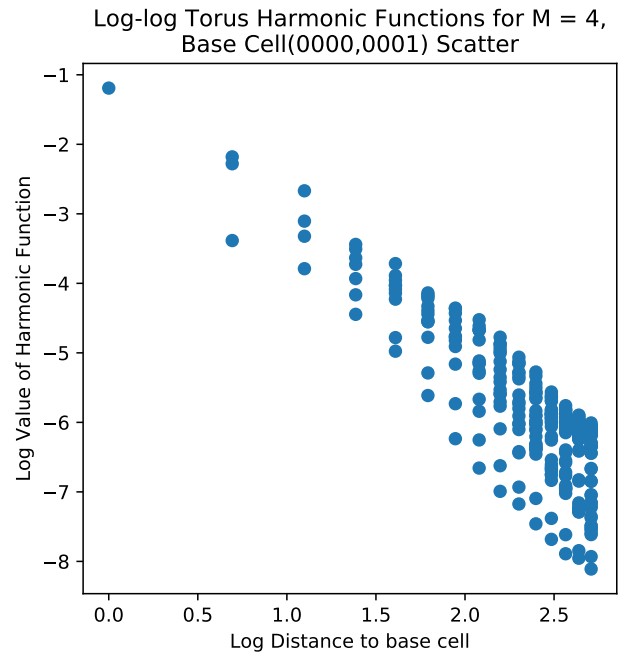
(Log)

## 2 Base Cell(0000,0001)

(Regular)

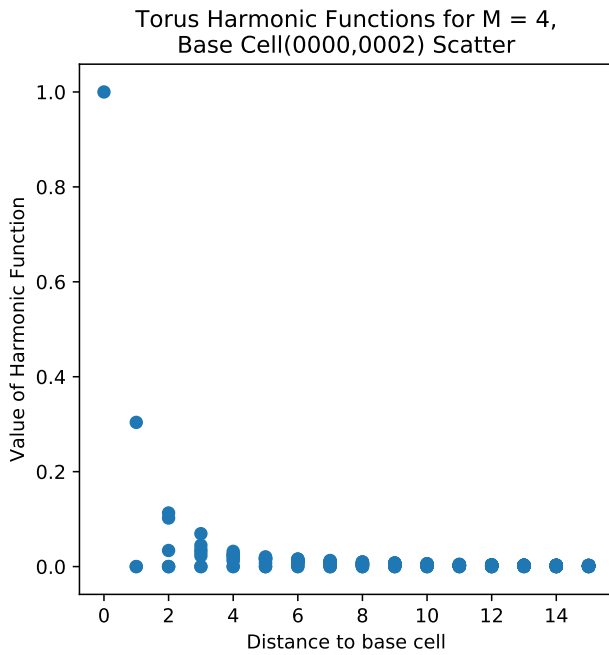


(Log)

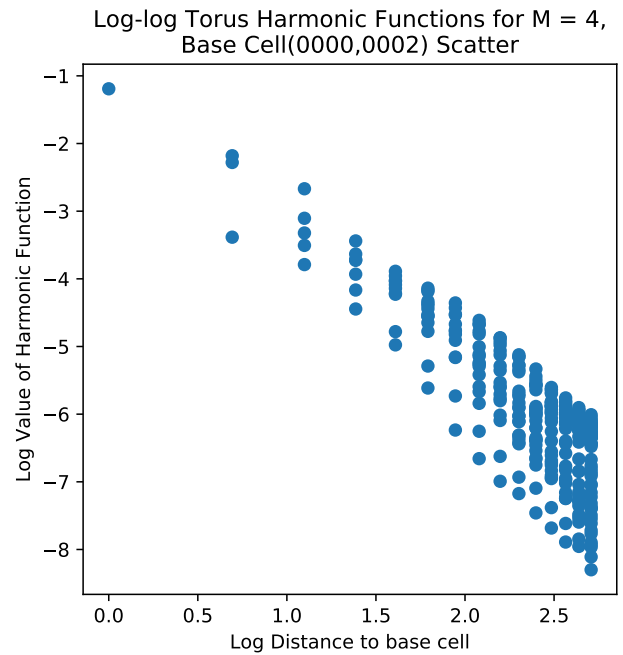


## 3 Base Cell(0000,0002)

(Regular)

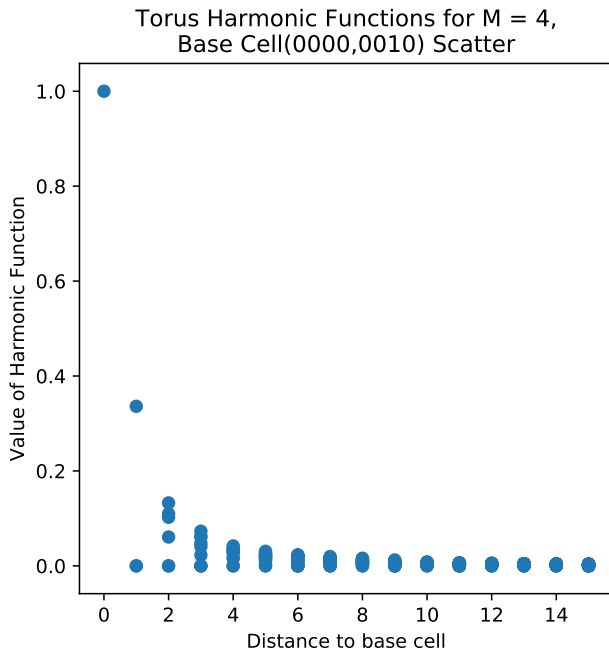


(Log)

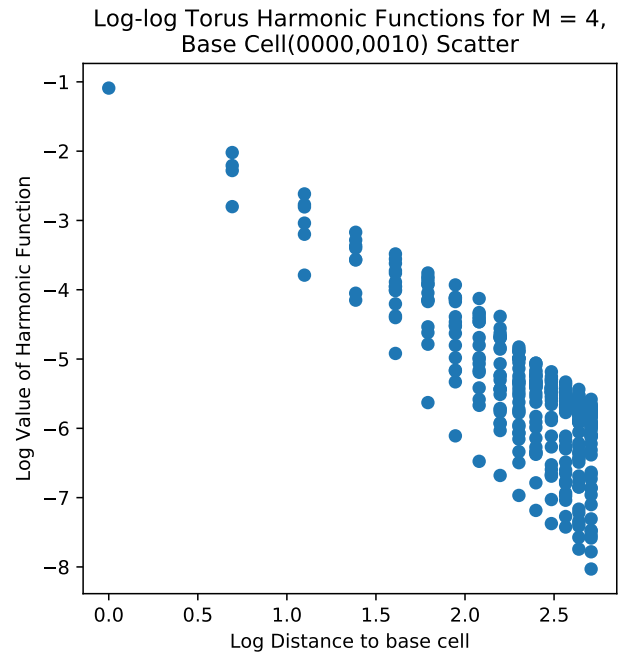


## 4 Base Cell(0000,0010)

(Regular)

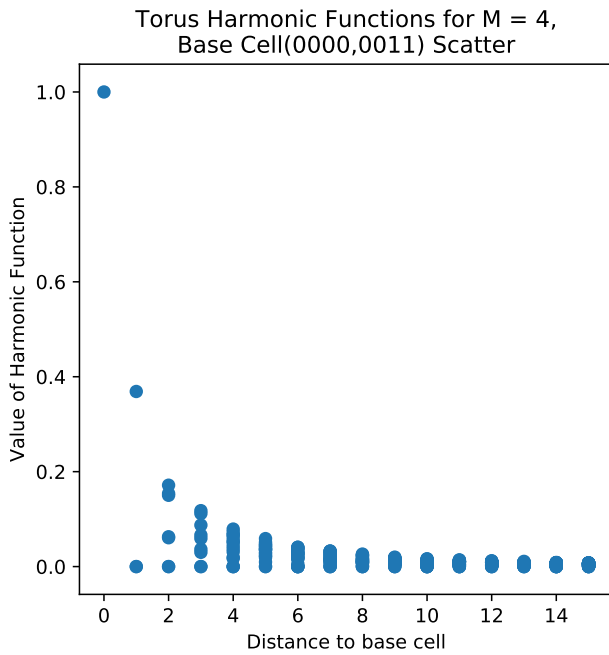


(Log)

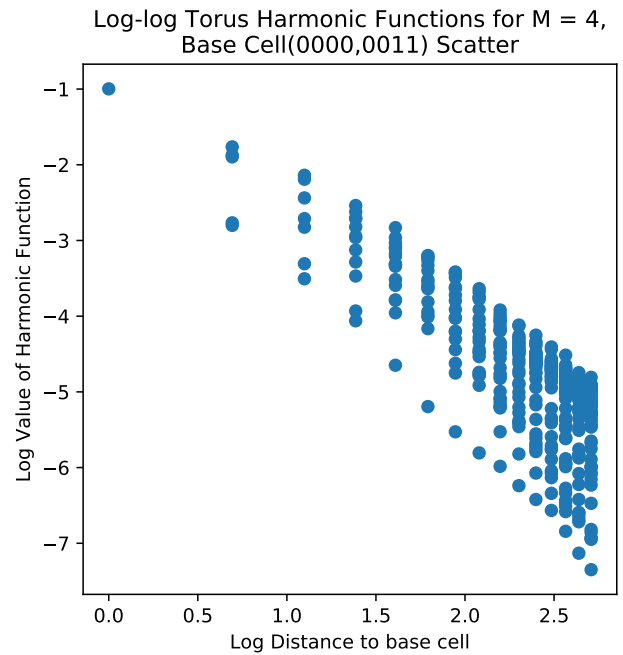


## 5 Base Cell(0000,0011)

(Regular)

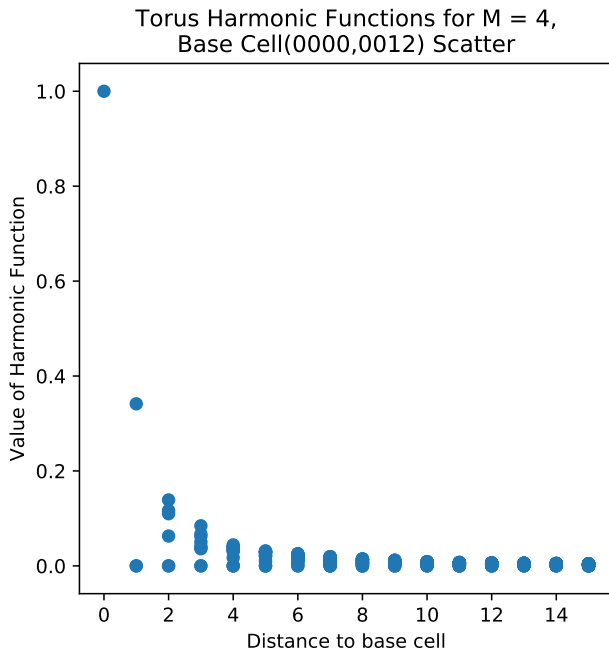


(Log)

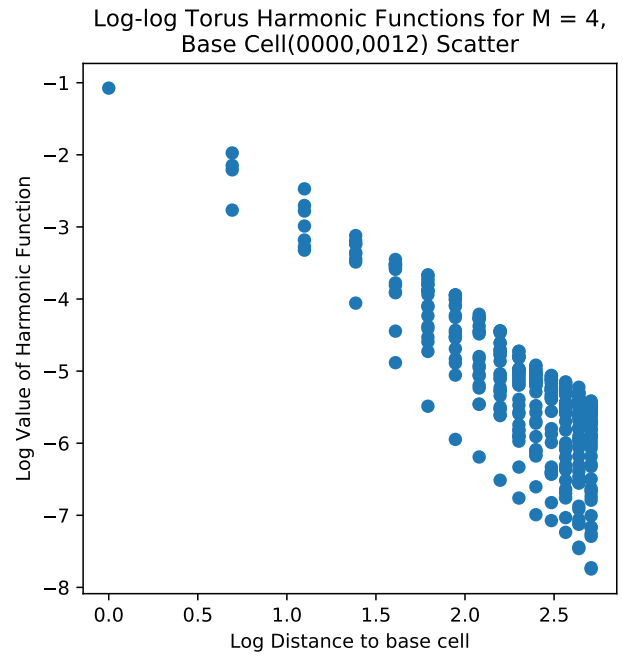


## 6 Base Cell(0000,0012)

(Regular)

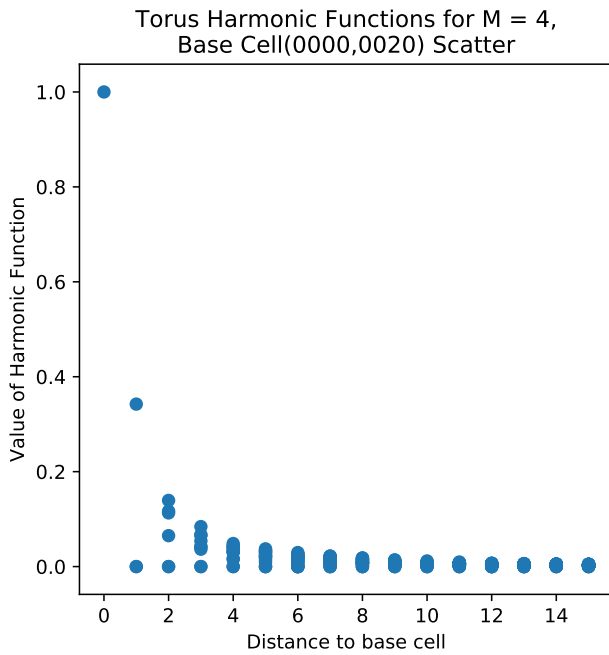


(Log)

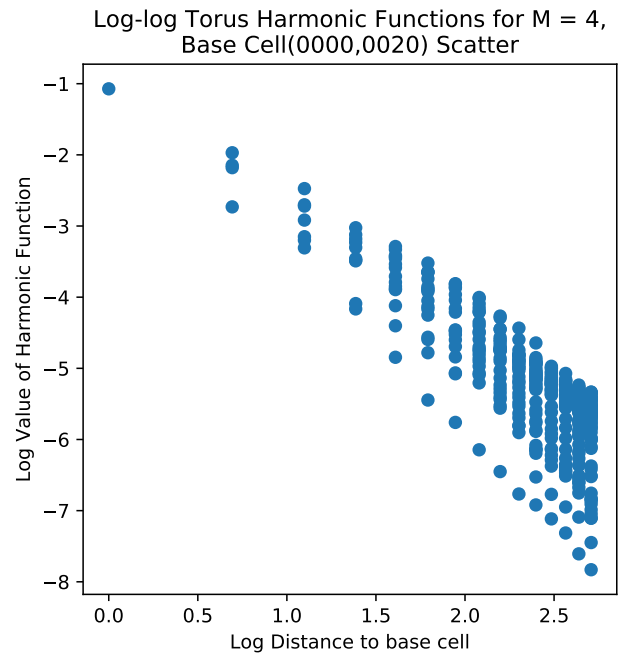


## 7 Base Cell(0000,0020)

(Regular)

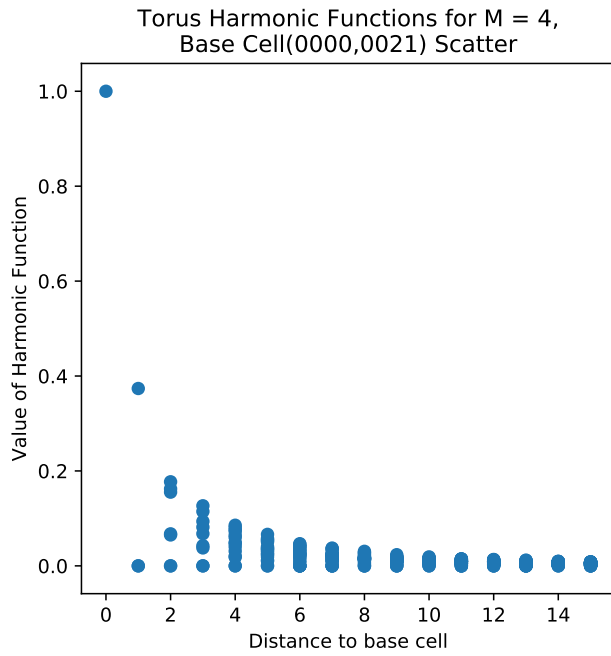


(Log)

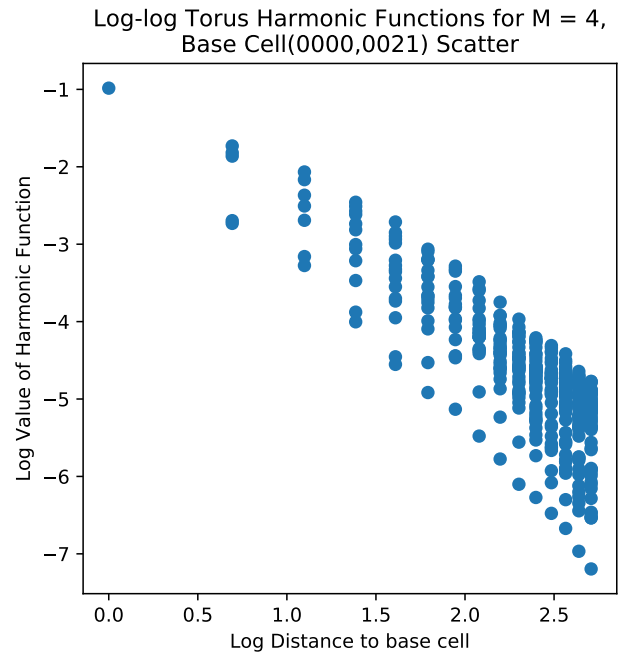


## 8 Base Cell(0000,0021)

(Regular)

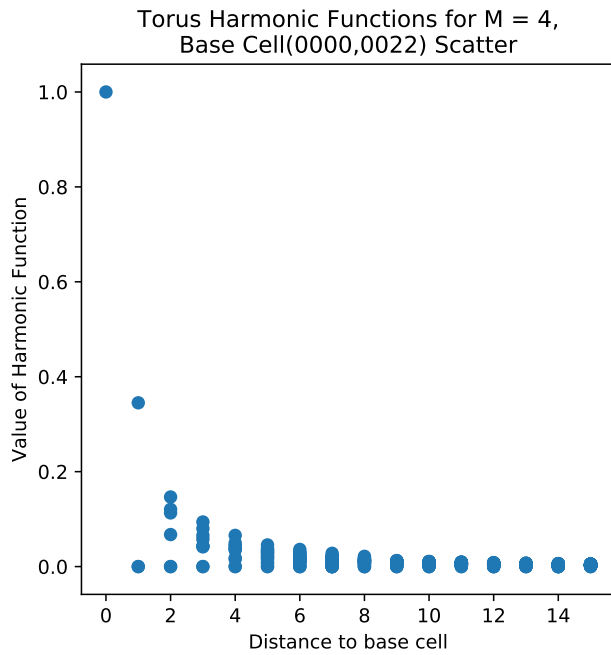


(Log)

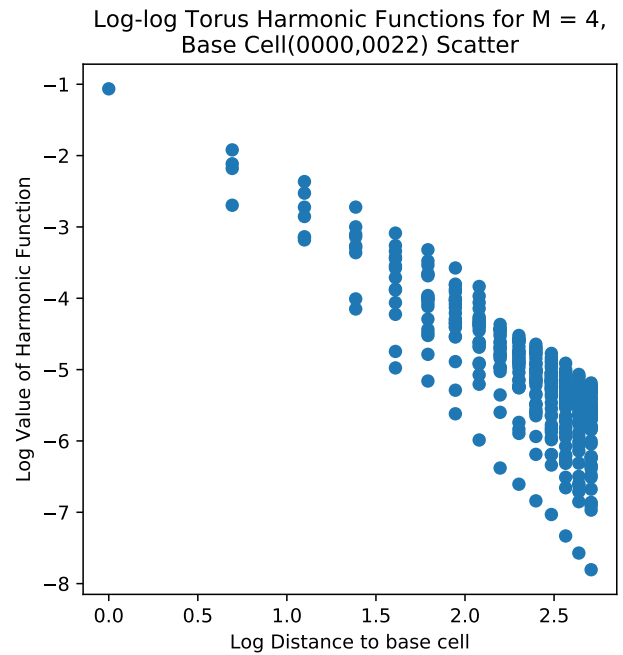


## 9 Base Cell(0000,0022)

(Regular)

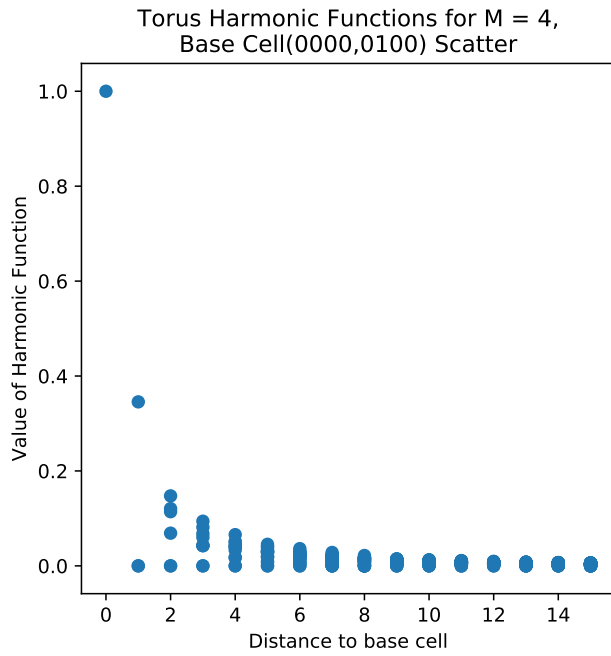


(Log)

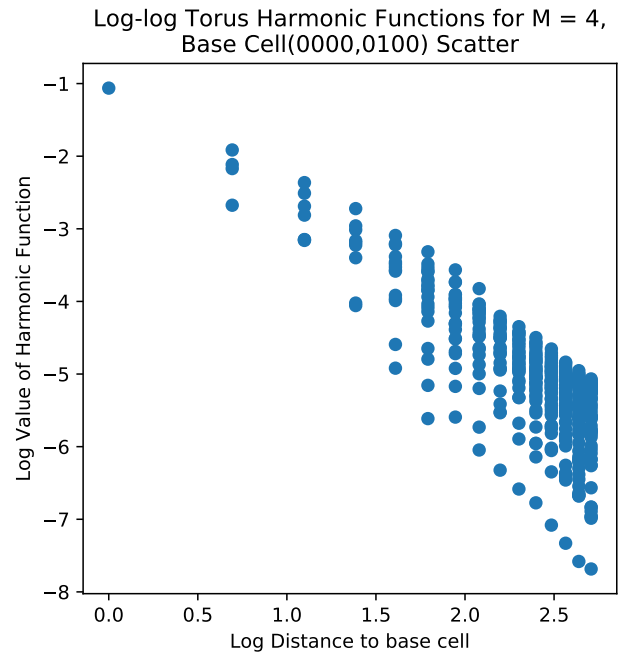


## 10 Base Cell(0000,0100)

(Regular)

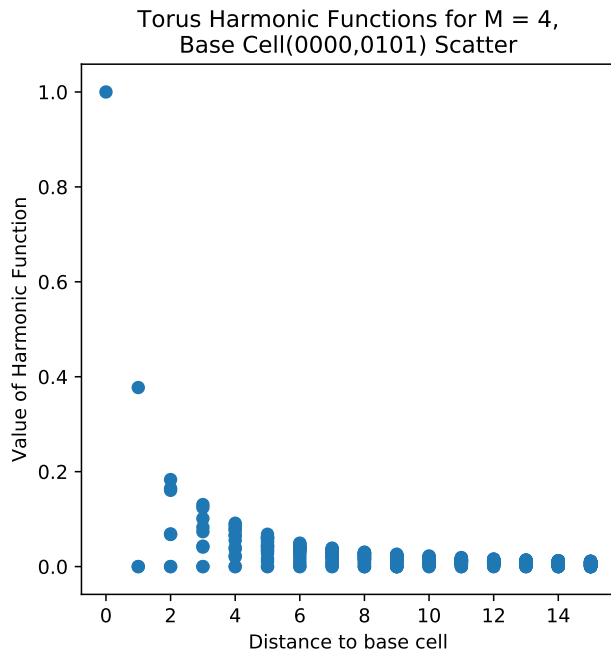


(Log)

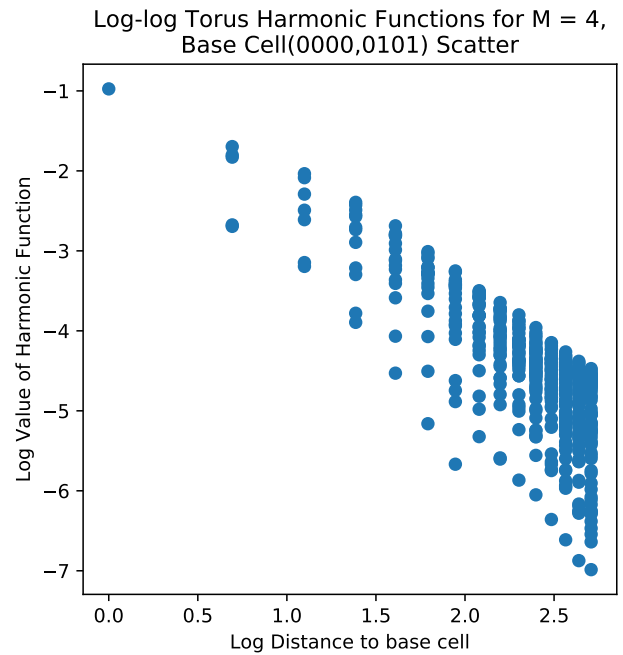


## 11 Base Cell(0000,0101)

(Regular)

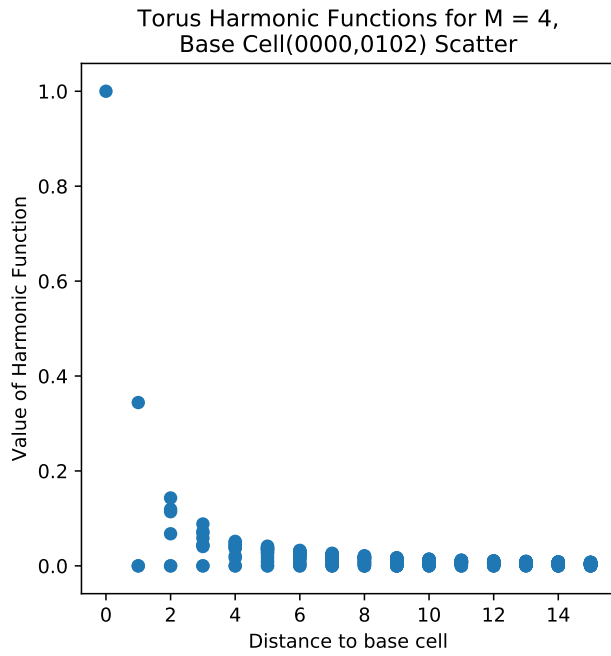


(Log)

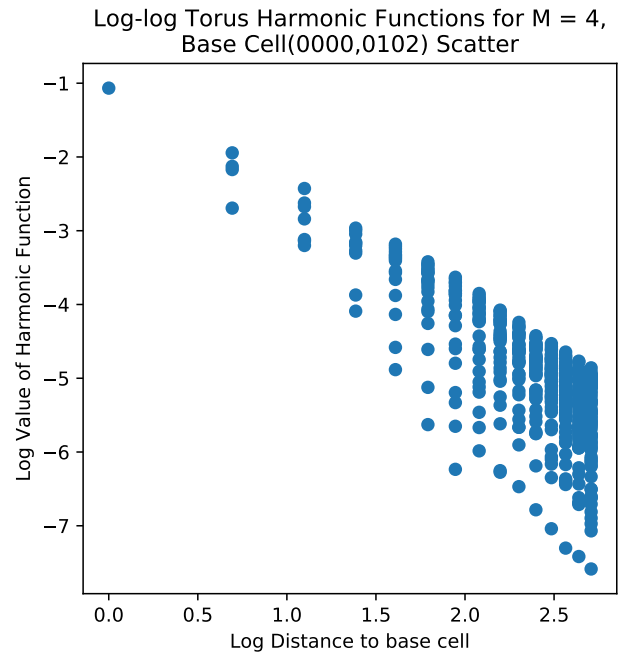


## 12 Base Cell(0000,0102)

(Regular)

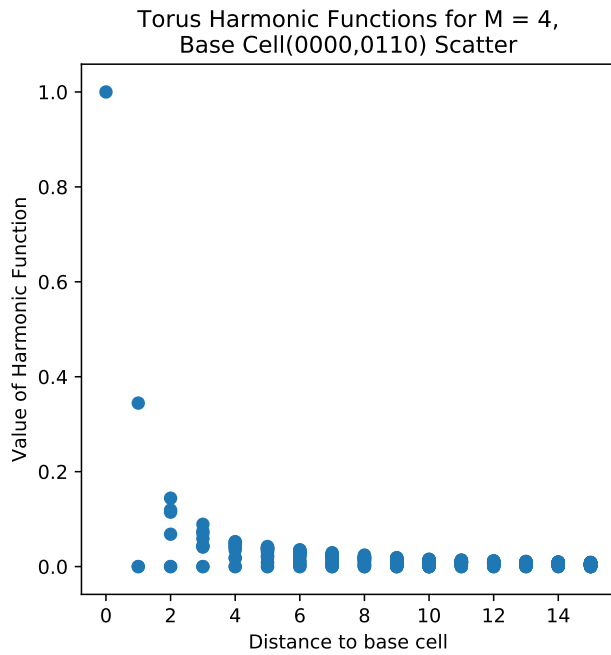


(Log)

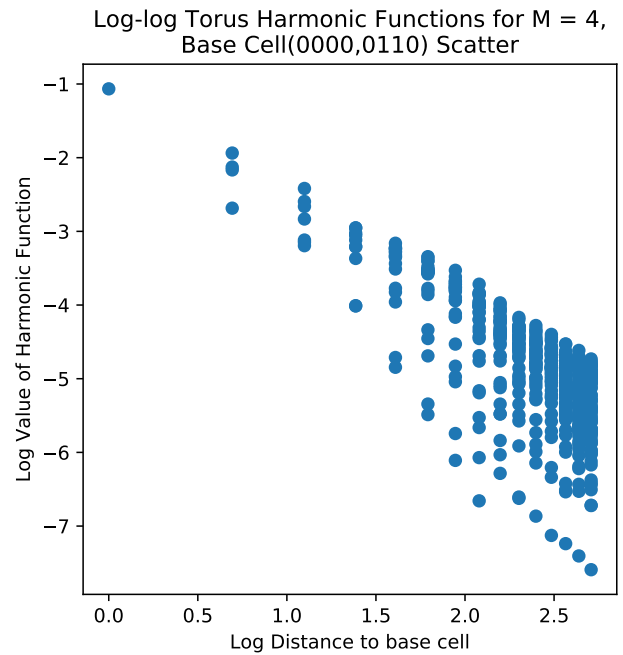


## 13 Base Cell(0000,0110)

(Regular)

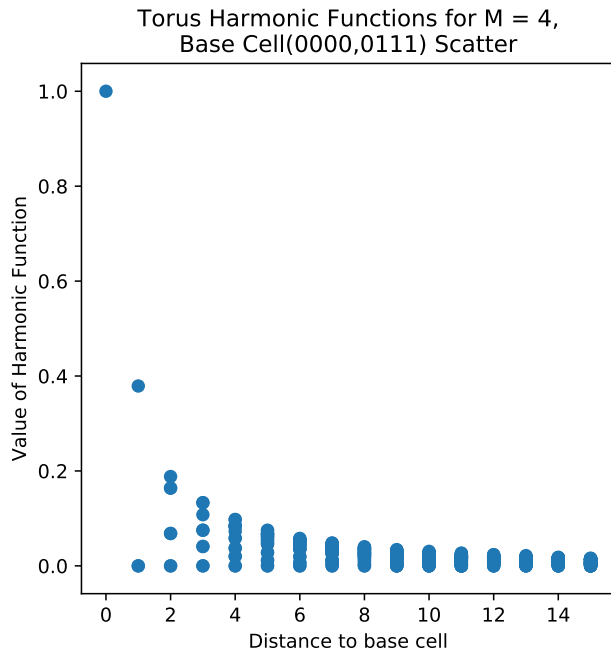


(Log)

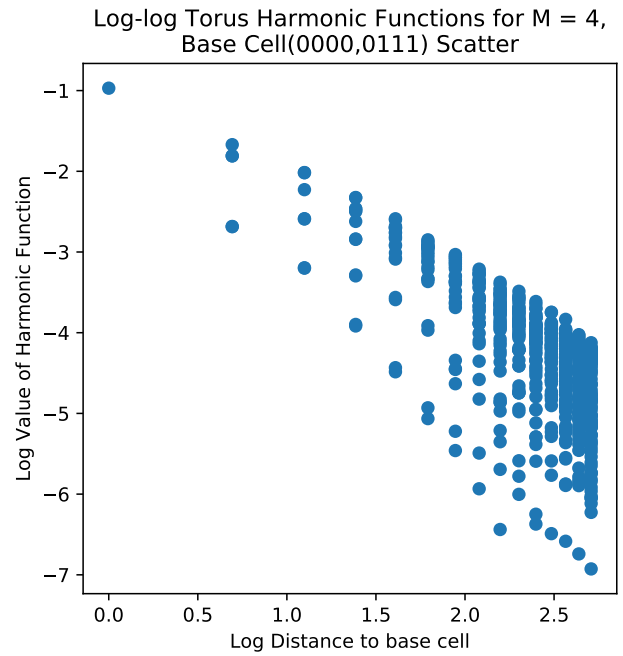


## 14 Base Cell(0000,0111)

(Regular)

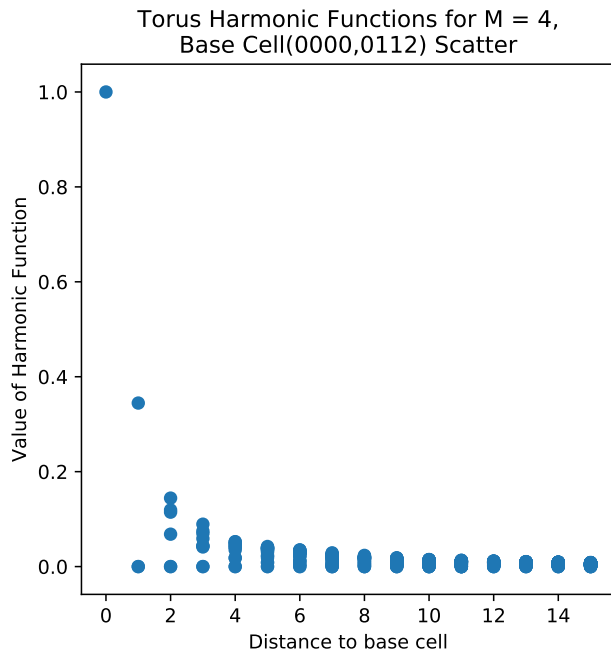


(Log)

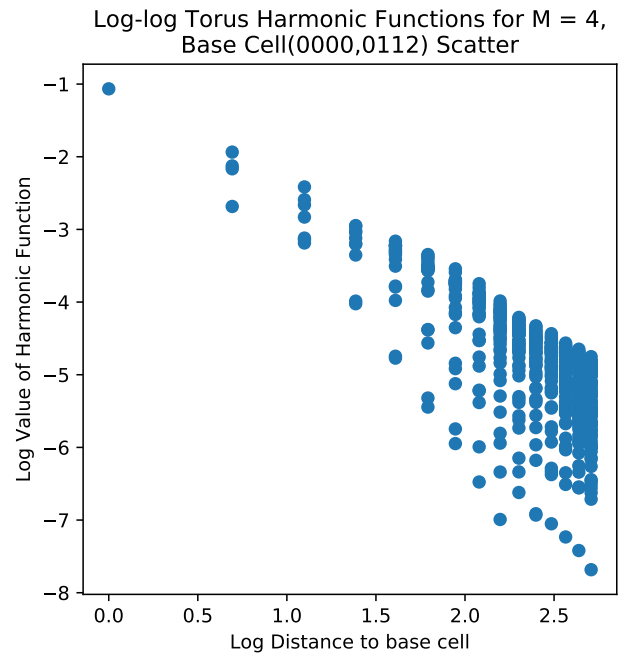


## 15 Base Cell(0000,0112)

(Regular)

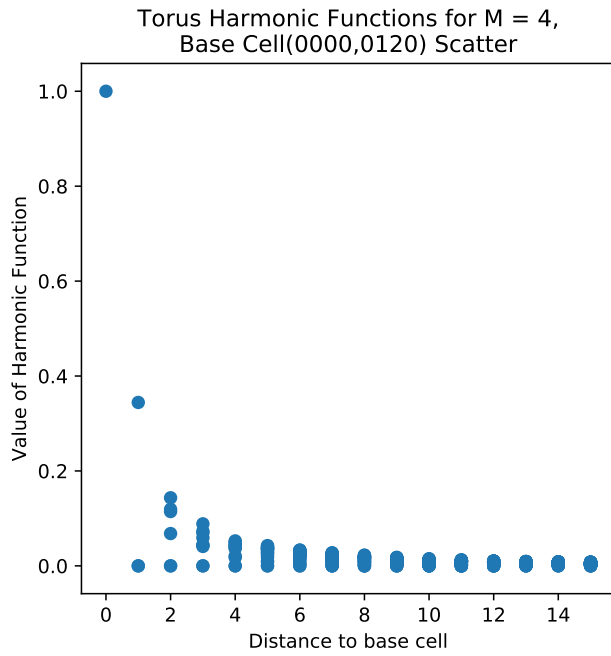


(Log)

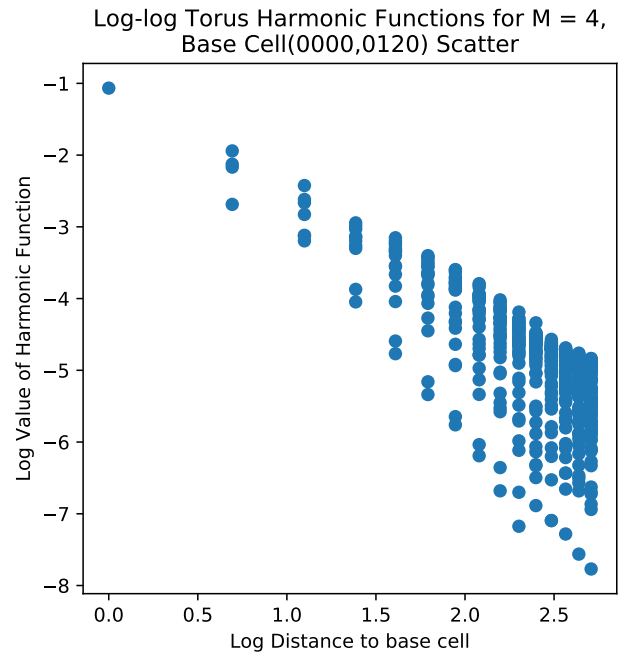


## 16 Base Cell(0000,0120)

(Regular)

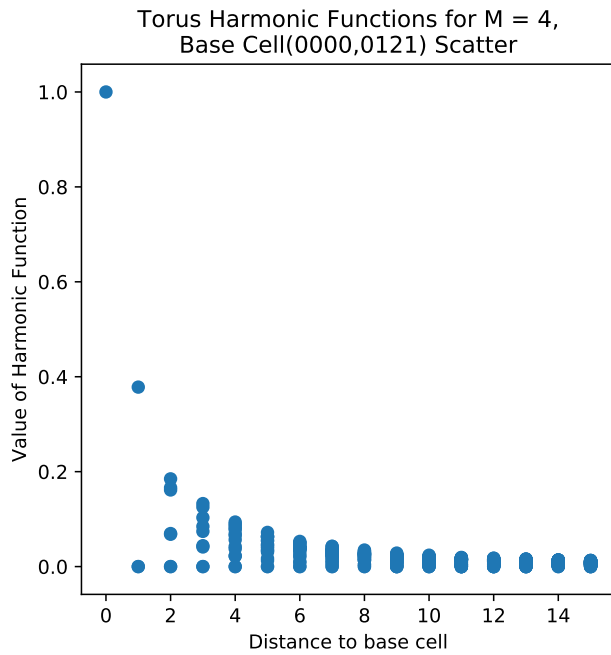


(Log)

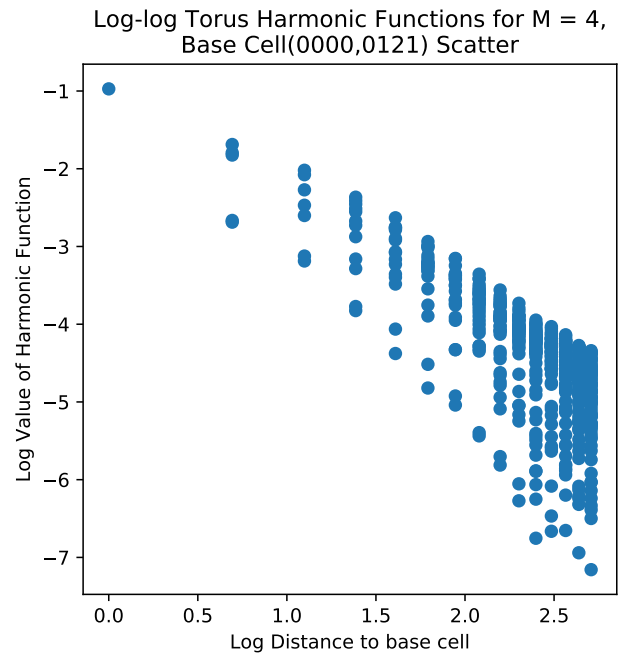


## 17 Base Cell(0000,0121)

(Regular)

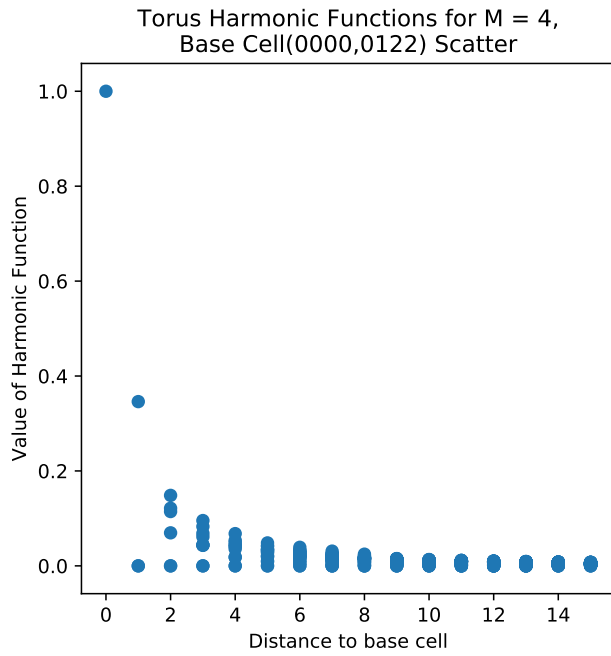


(Log)

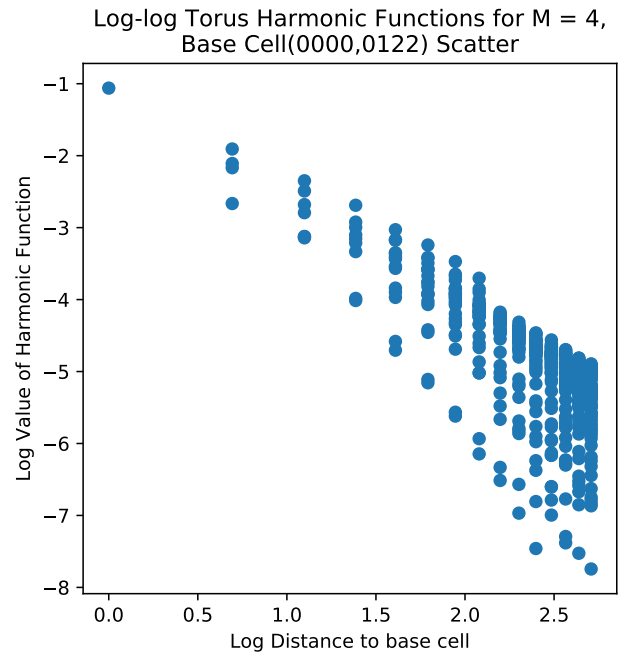


## 18 Base Cell(0000,0122)

(Regular)

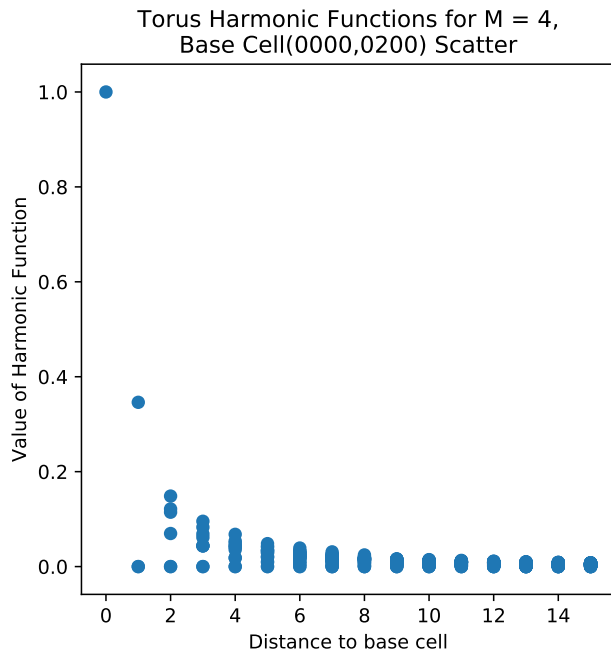


(Log)

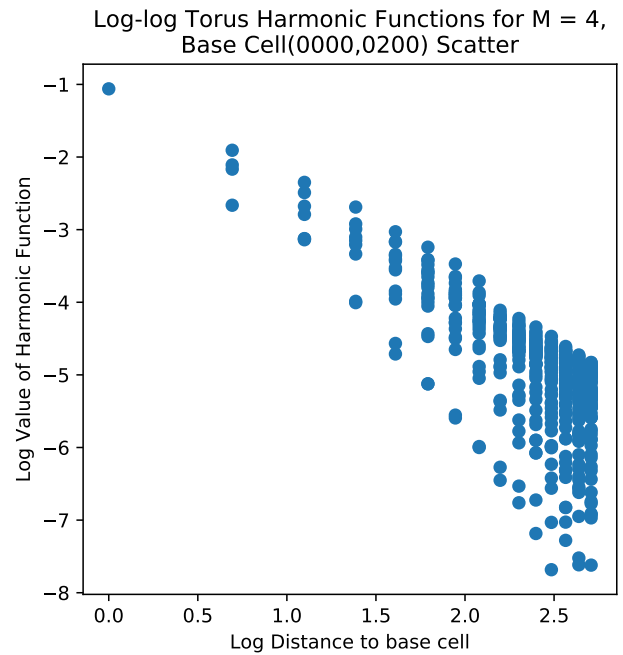


## 19 Base Cell(0000,0200)

(Regular)

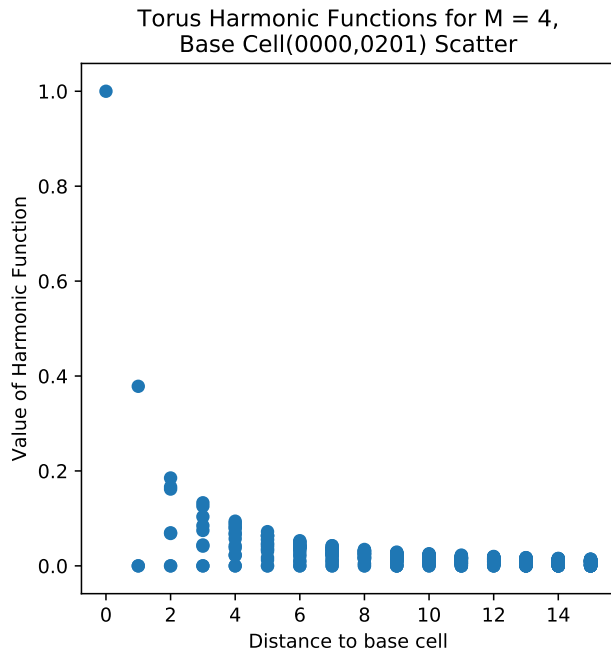


(Log)

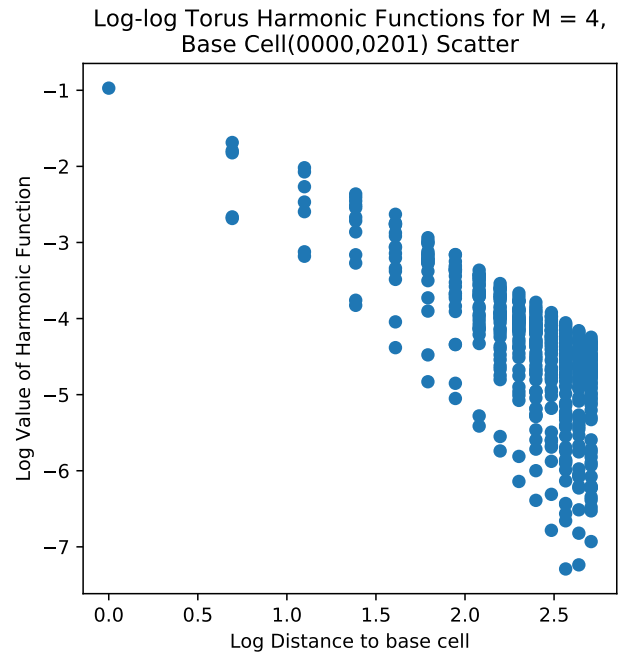


## 20 Base Cell(0000,0201)

(Regular)

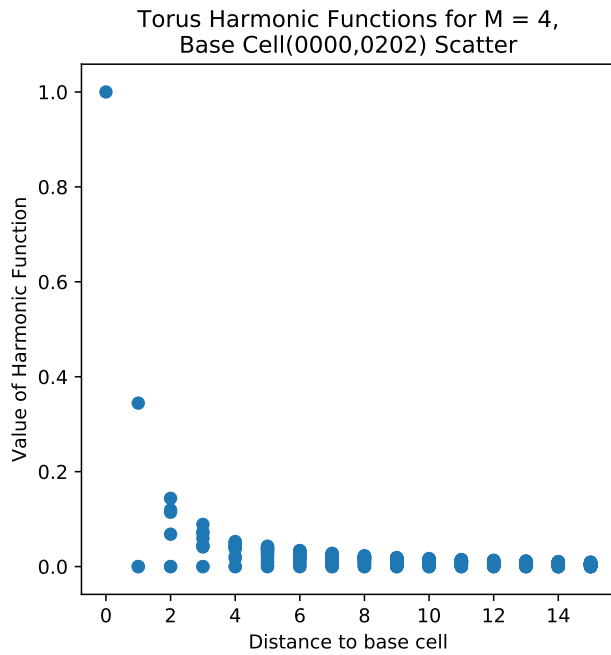


(Log)

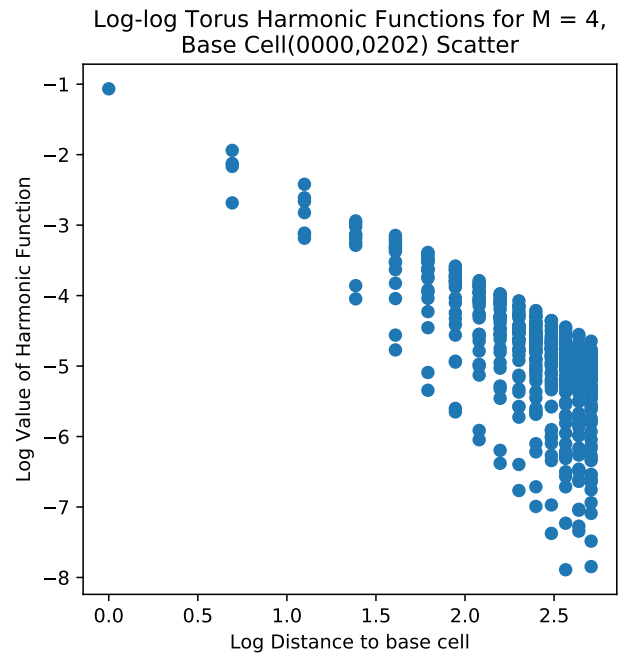


## 21 Base Cell(0000,0202)

(Regular)

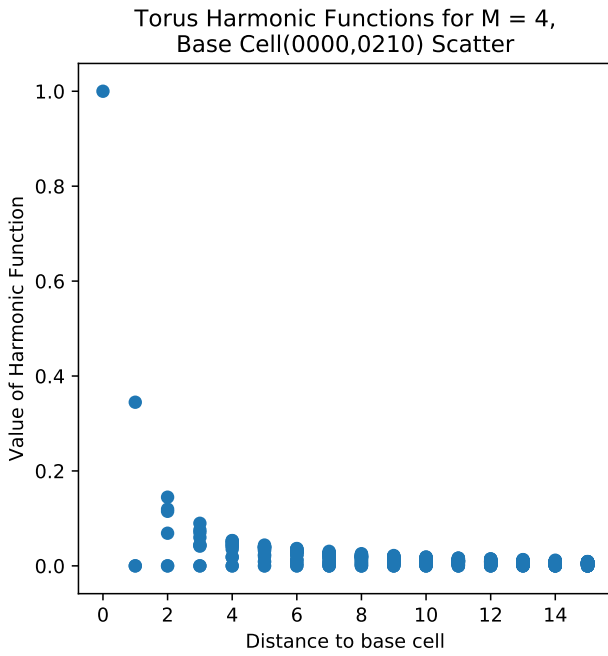


(Log)

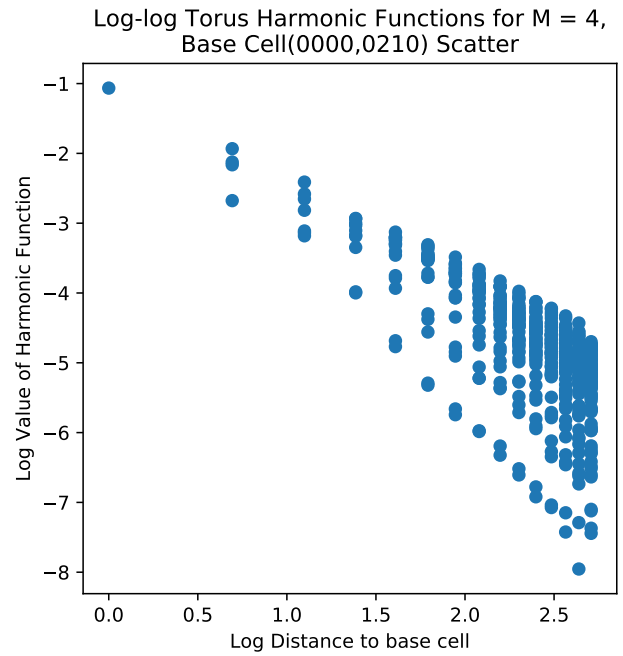


## 22 Base Cell(0000,0210)

(Regular)

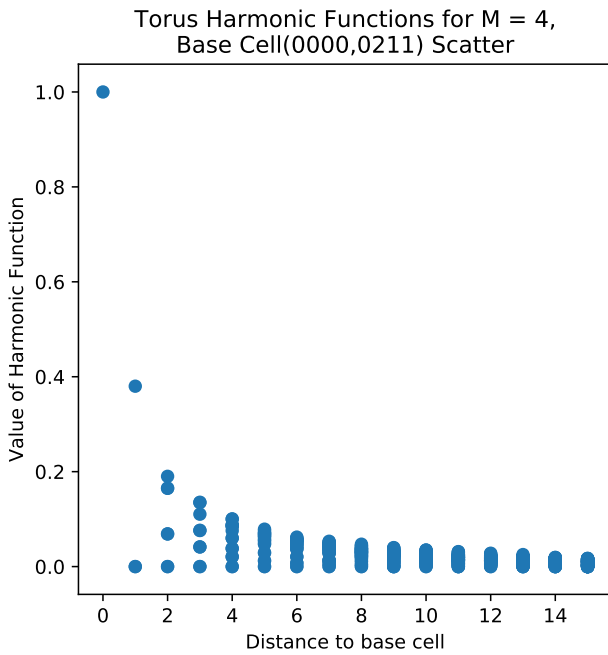


(Log)

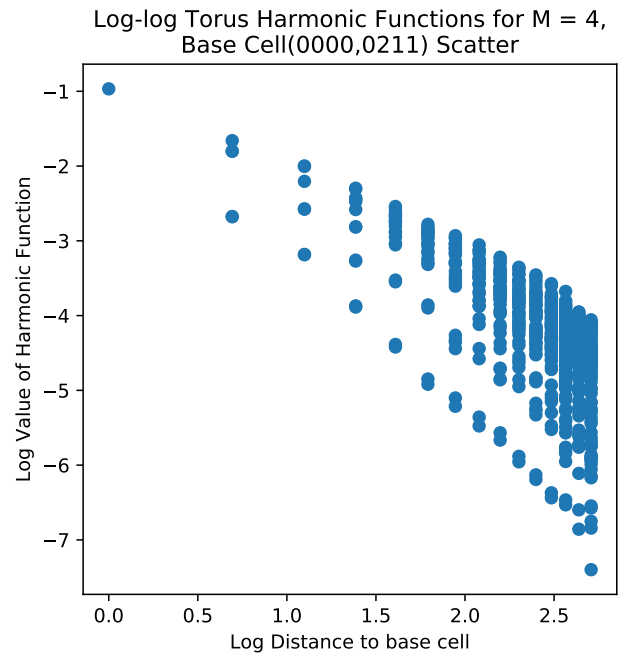


## 23 Base Cell(0000,0211)

(Regular)

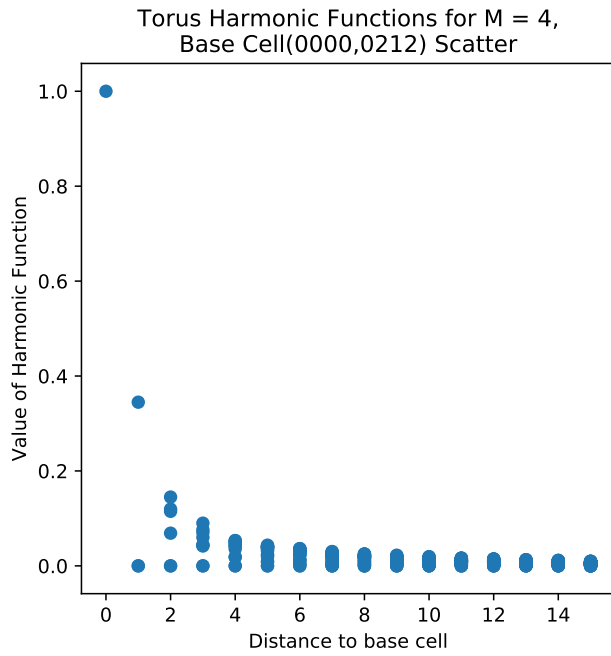


(Log)

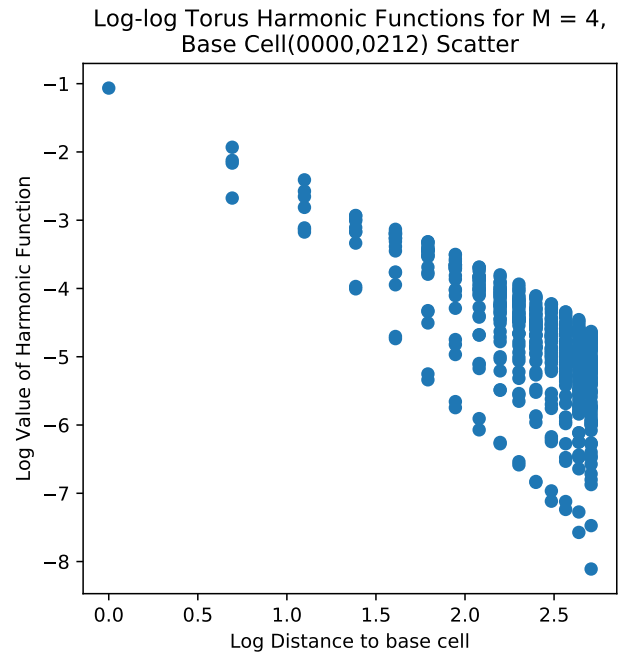


## 24 Base Cell(0000,0212)

(Regular)

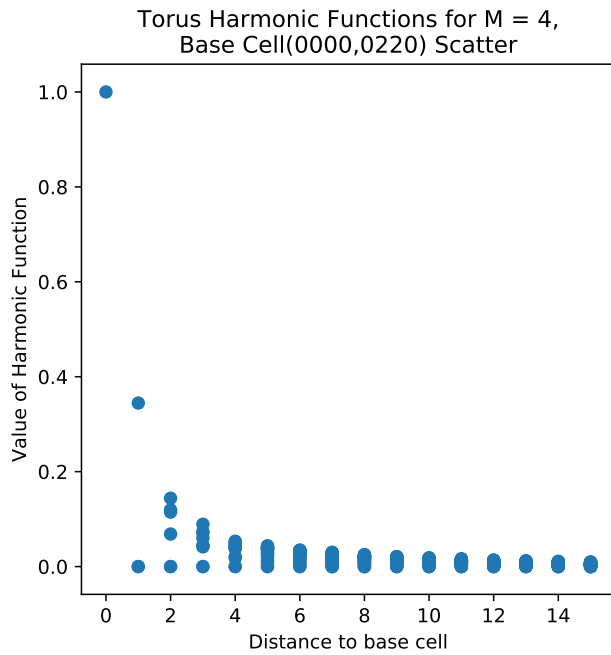


(Log)

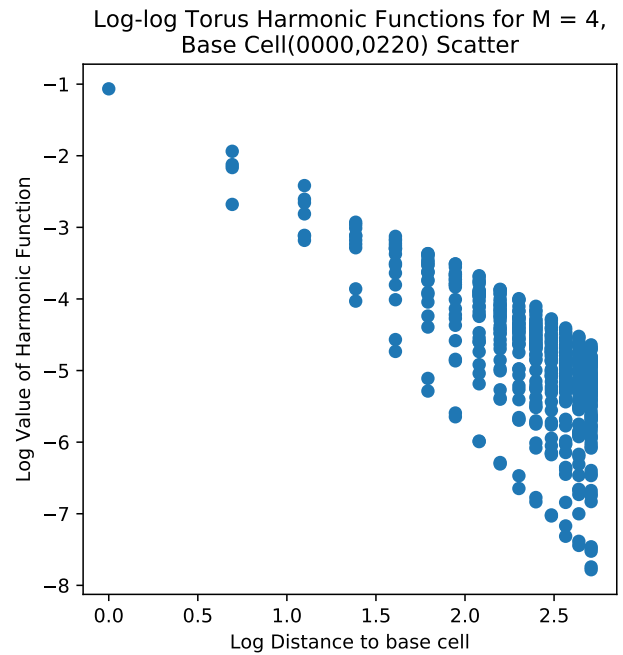


## 25 Base Cell(0000,0220)

(Regular)

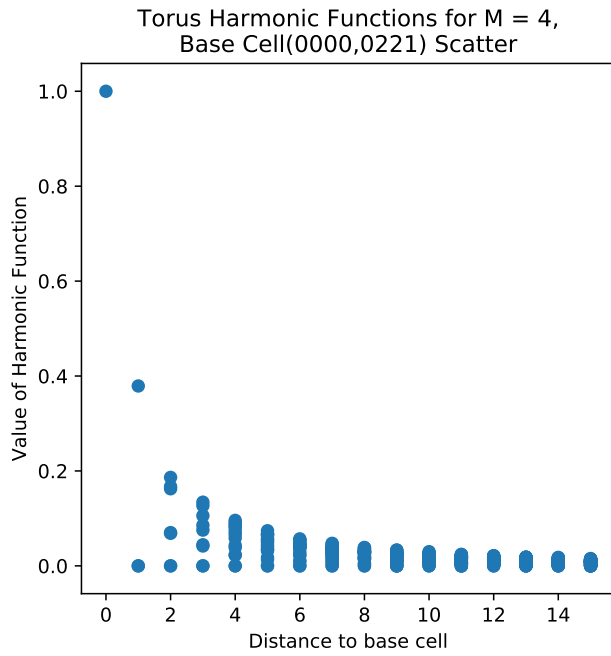


(Log)

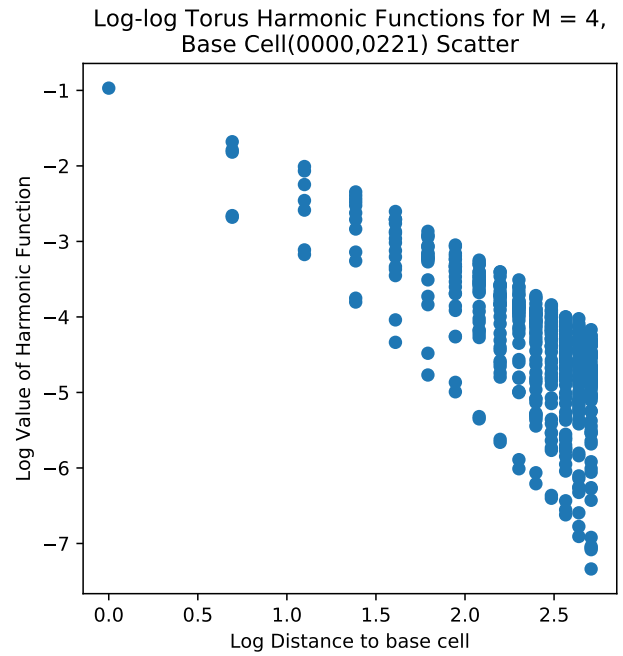


## 26 Base Cell(0000,0221)

(Regular)

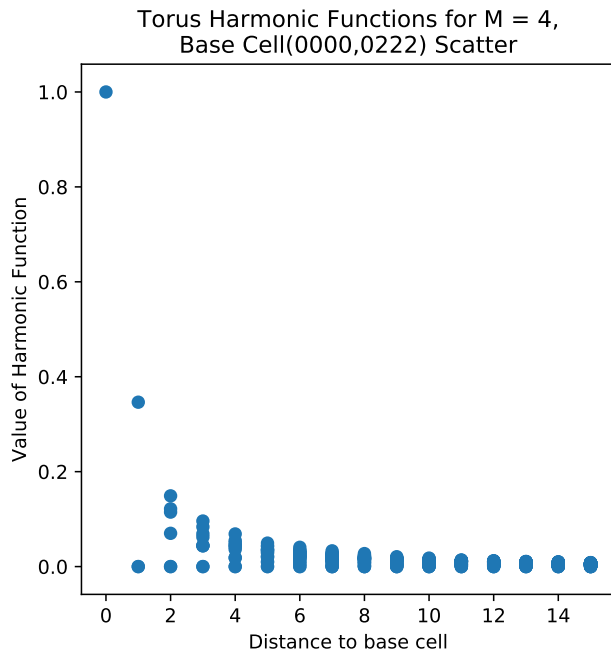


(Log)

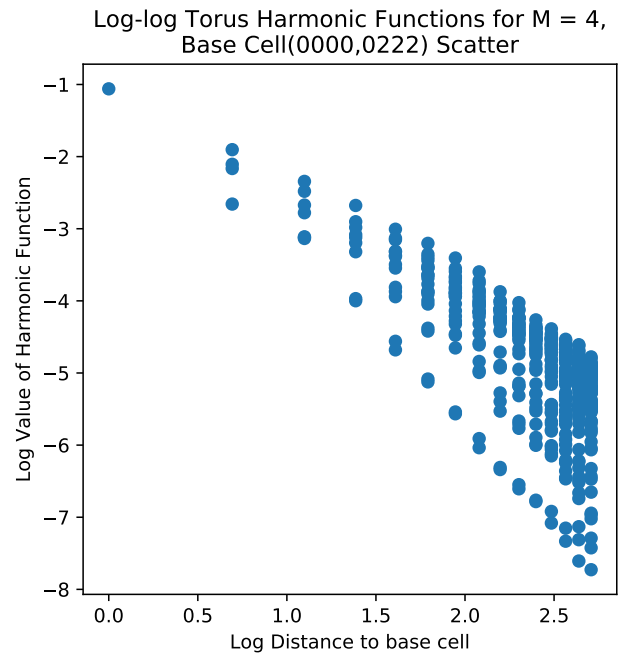


## 27 Base Cell(0000,0222)

(Regular)

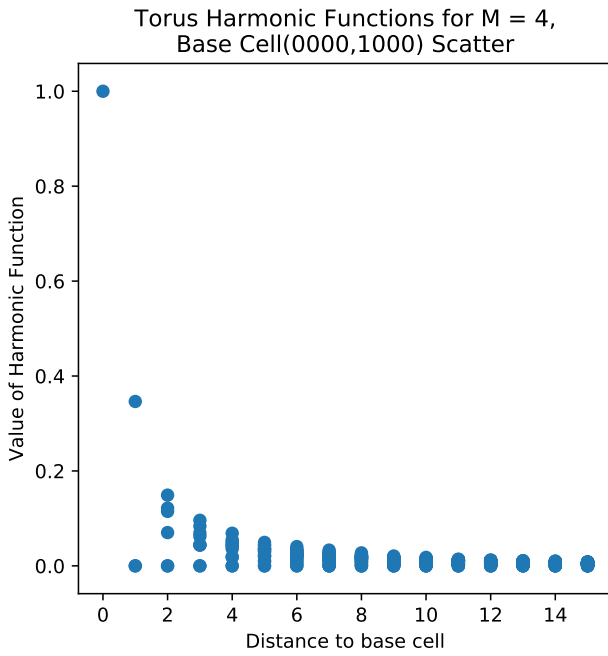


(Log)

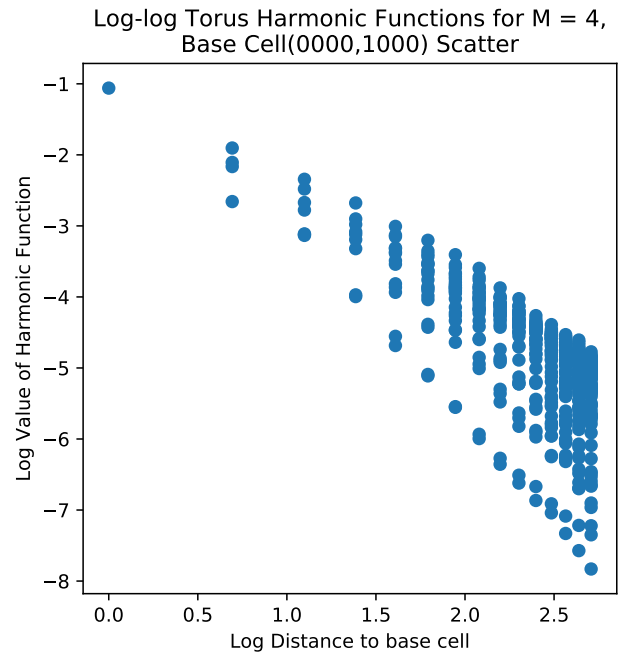


## 28 Base Cell(0000,1000)

(Regular)

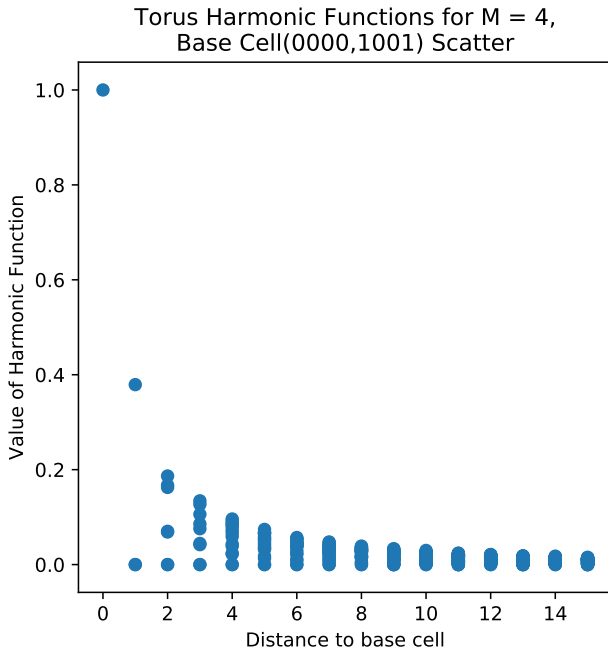


(Log)

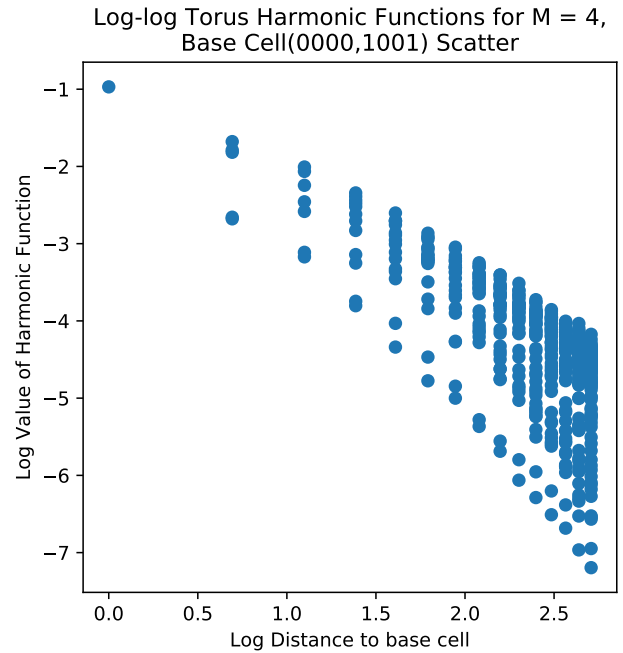


## 29 Base Cell(0000,1001)

(Regular)

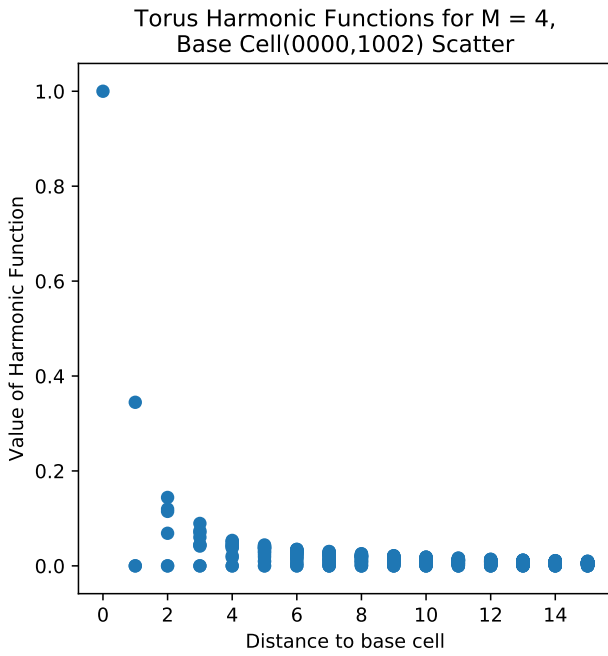


(Log)

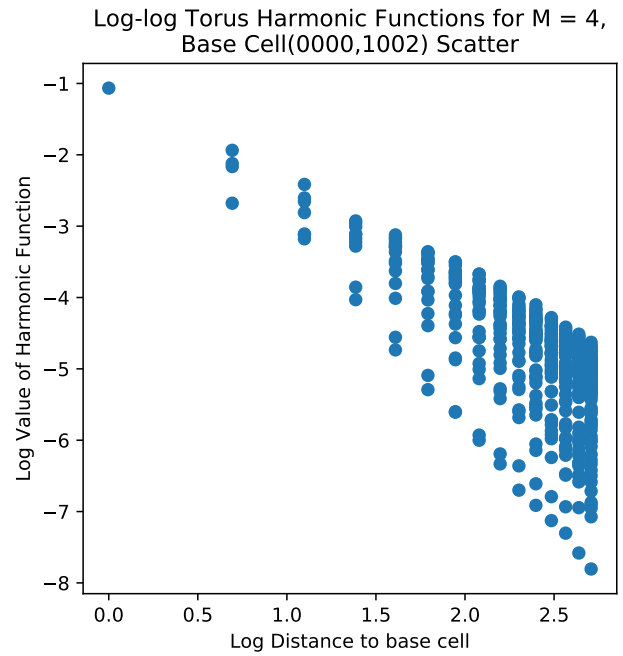


### 30 Base Cell(0000,1002)

(Regular)

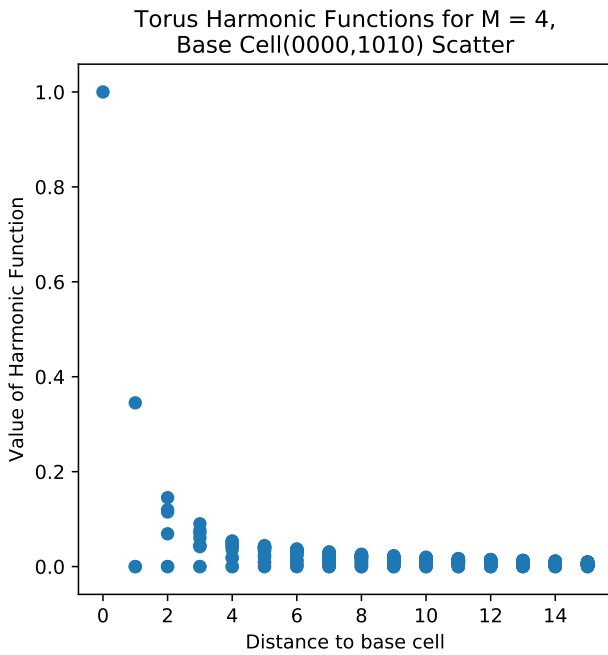


(Log)

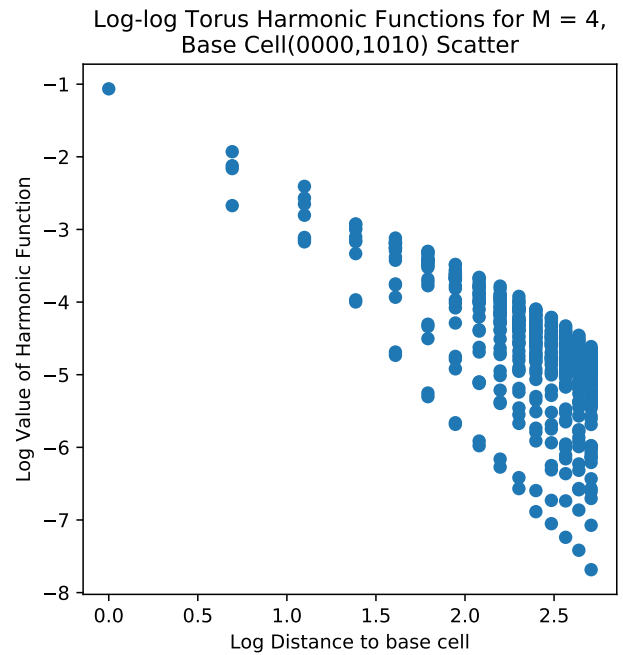


### 31 Base Cell(0000,1010)

(Regular)

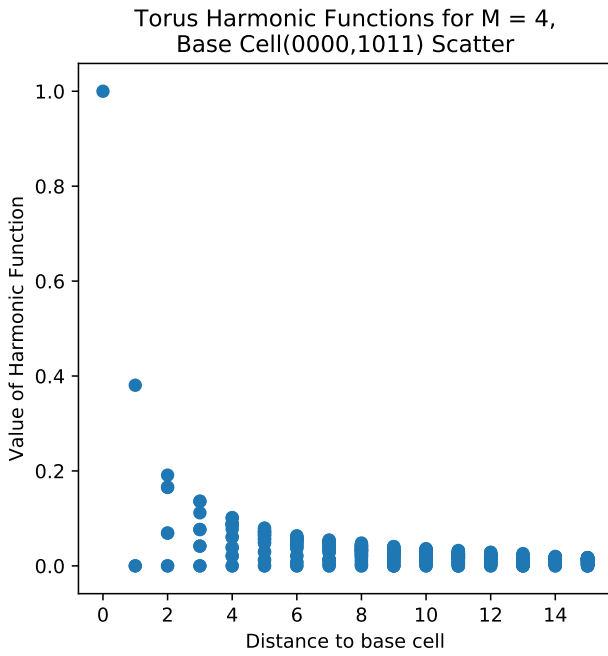


(Log)

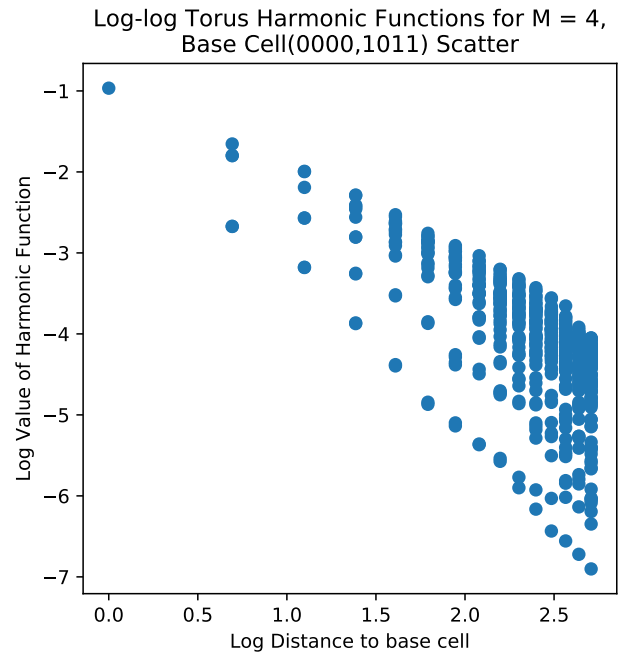


### 32 Base Cell(0000,1011)

(Regular)

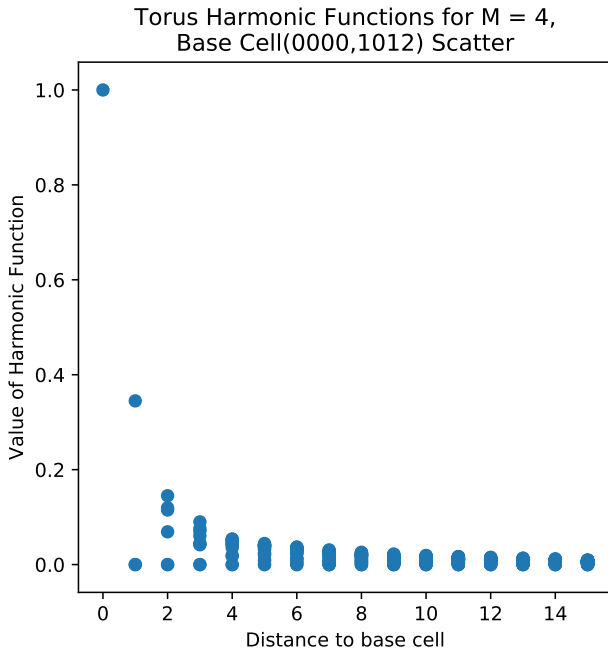


(Log)

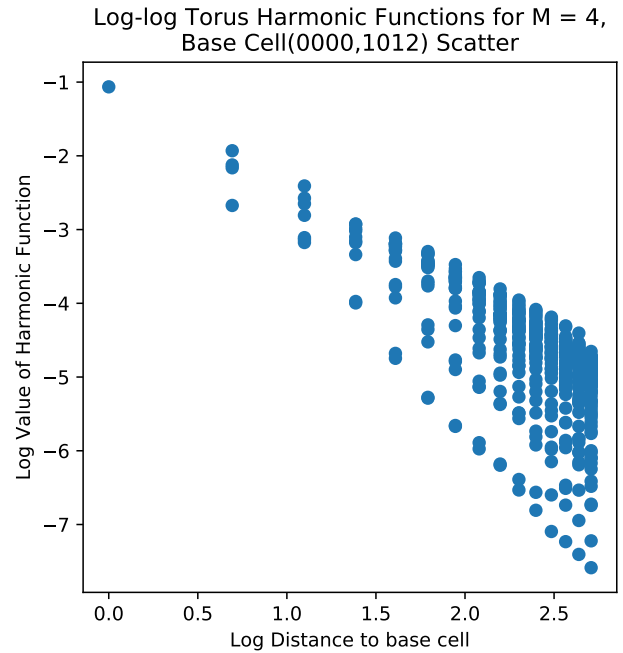


### 33 Base Cell(0000,1012)

(Regular)

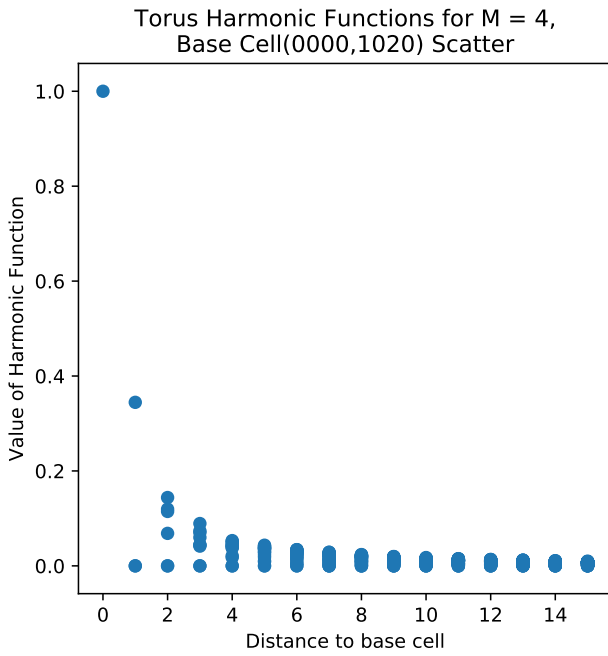


(Log)

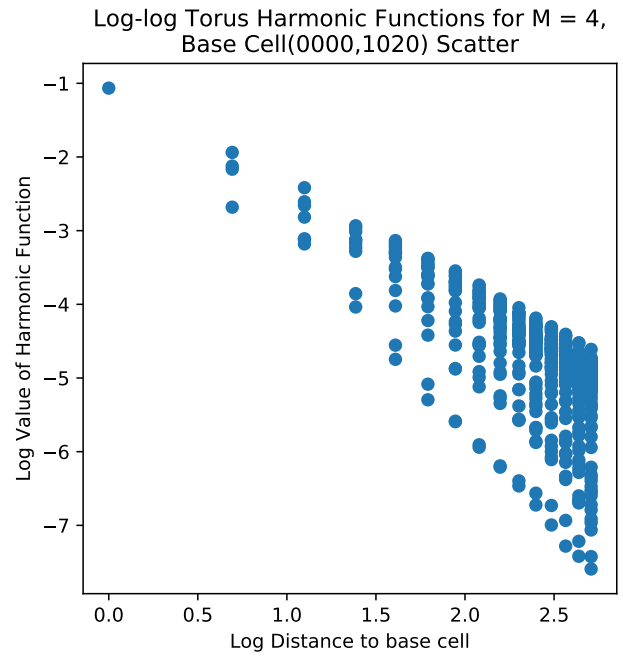


### 34 Base Cell(0000,1020)

(Regular)

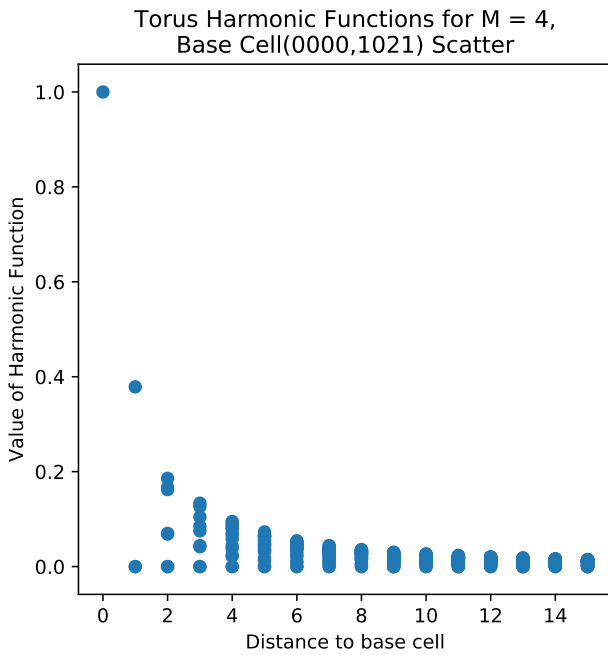


(Log)

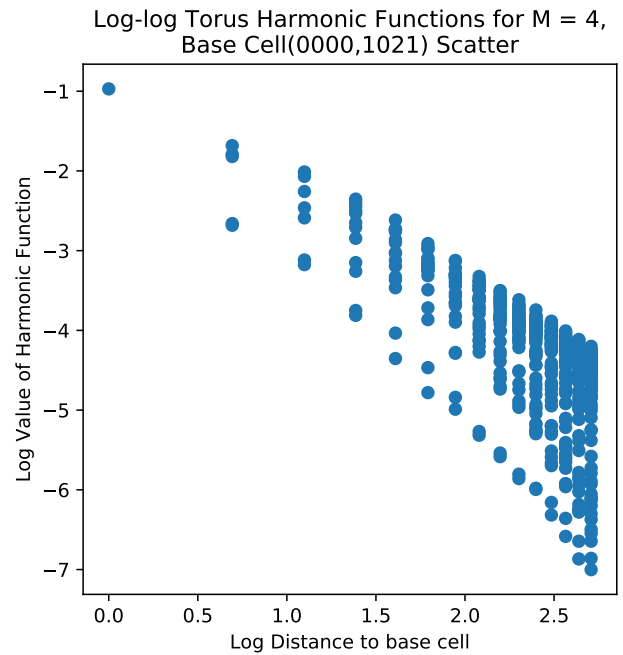


### 35 Base Cell(0000,1021)

(Regular)

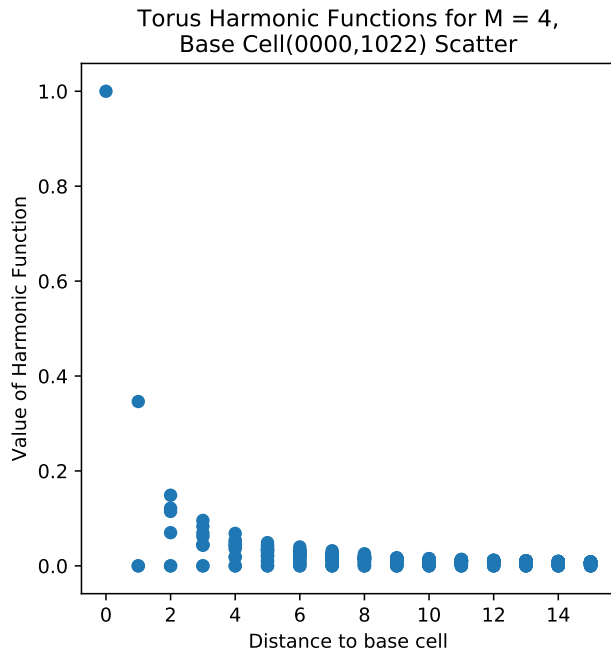


(Log)

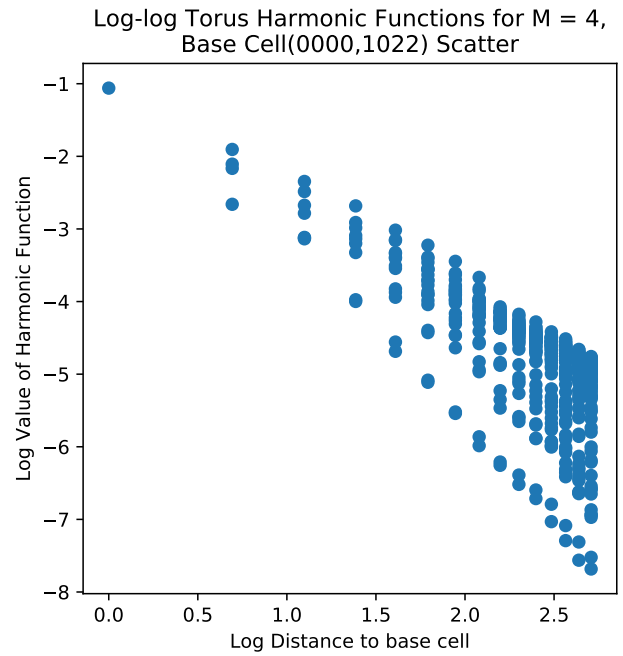


### 36 Base Cell(0000,1022)

(Regular)

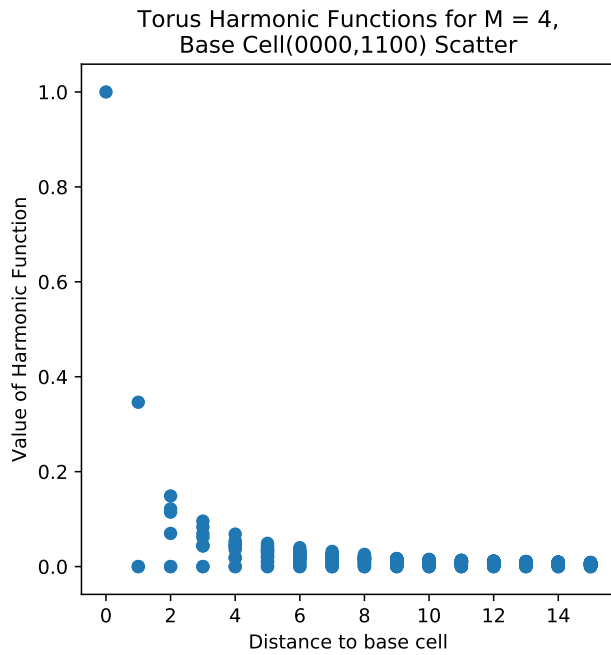


(Log)

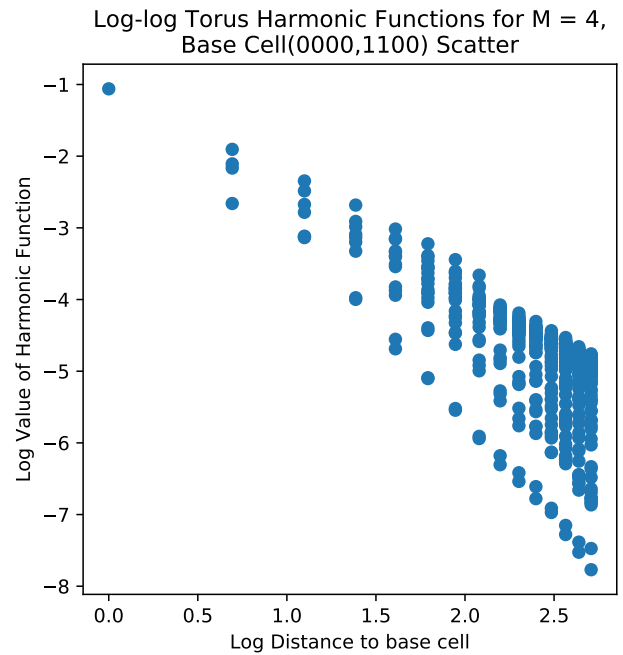


### 37 Base Cell(0000,1100)

(Regular)

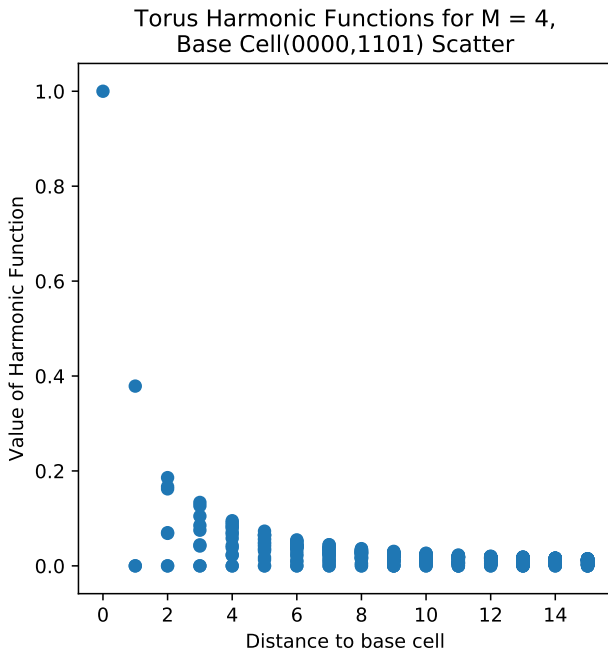


(Log)

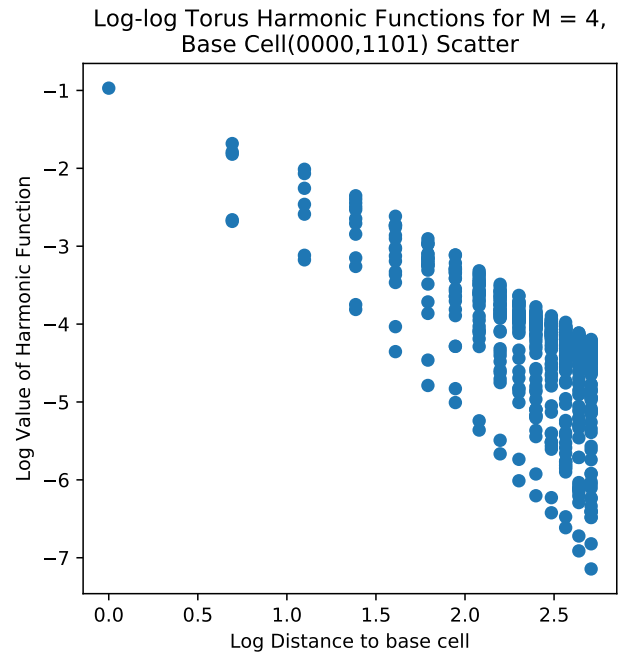


### 38 Base Cell(0000,1101)

(Regular)

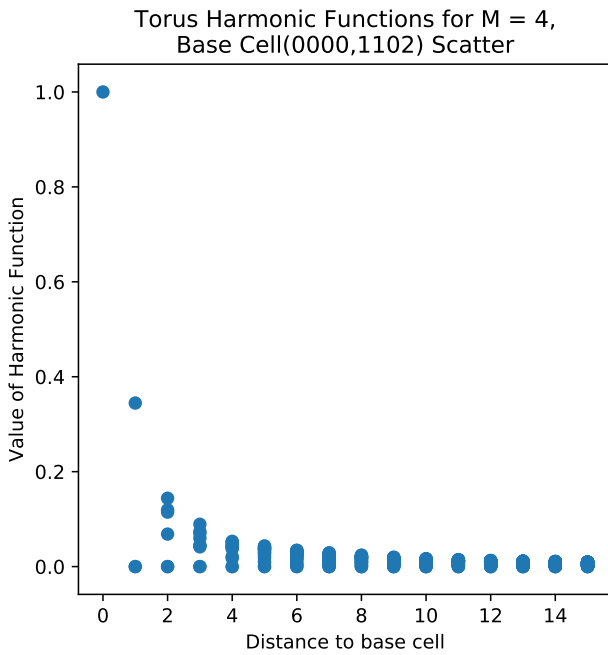


(Log)

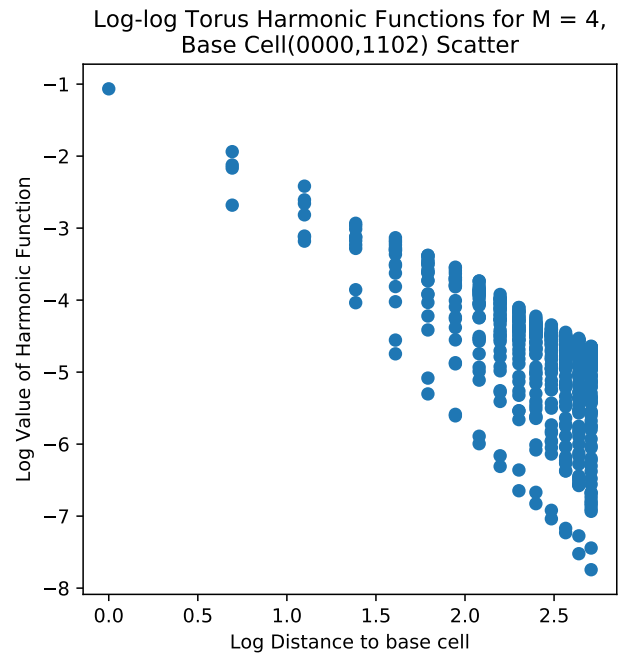


### 39 Base Cell(0000,1102)

(Regular)

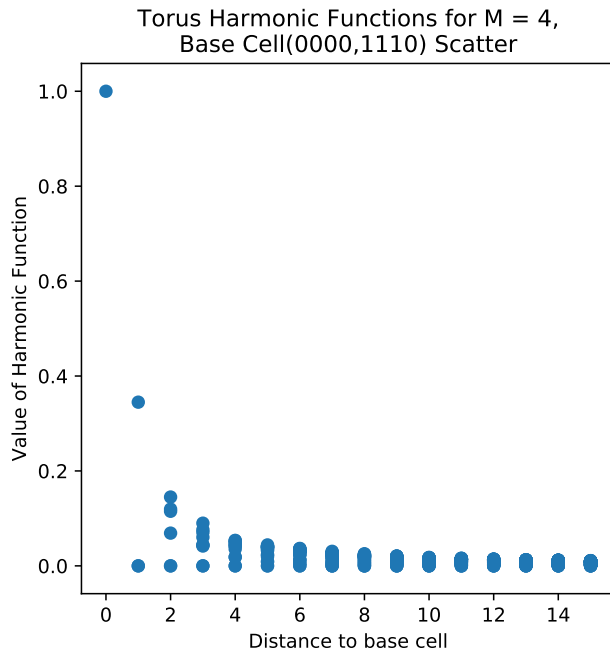


(Log)

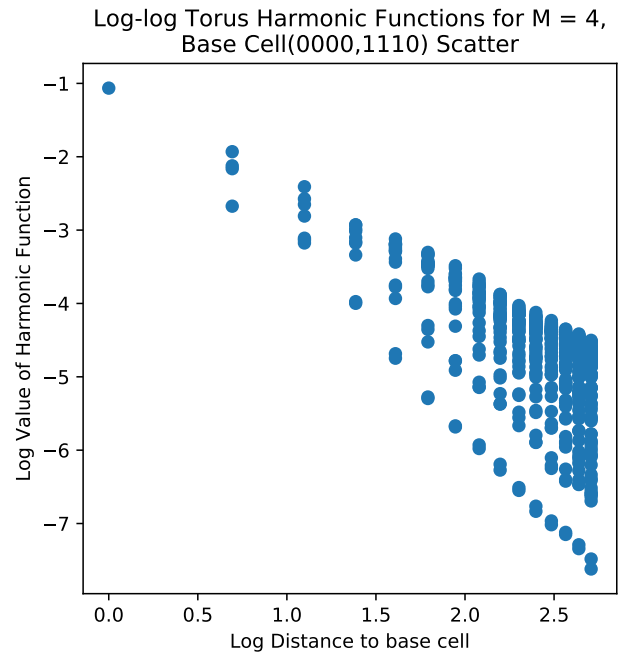


## 40 Base Cell(0000,1110)

(Regular)

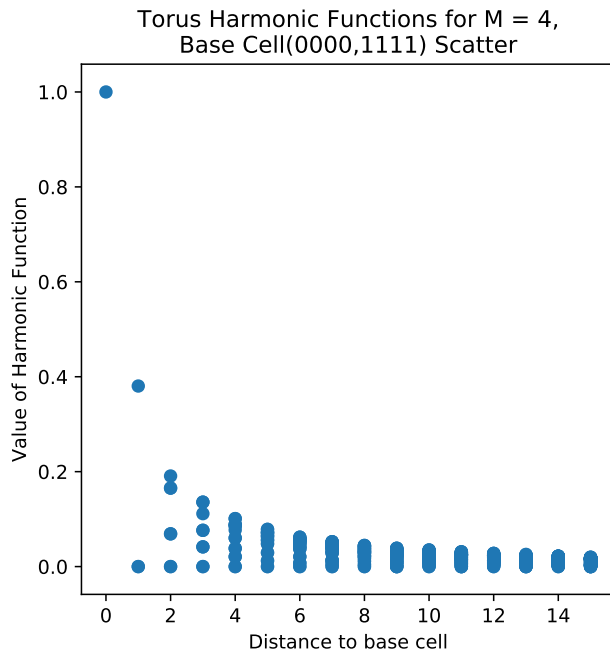


(Log)



## 41 Base Cell(0000,1111)

(Regular)



(Log)

