

# Off-Diagonal Dirichlet Heat Kernel for $M = 4$ with Projective Plane Identifications

SPUR 2016

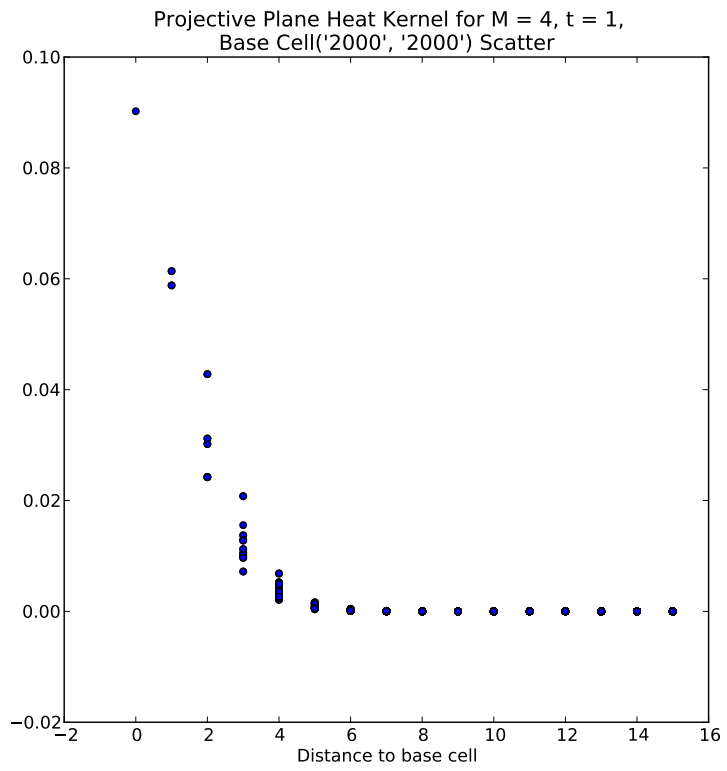
August 2, 2016

**Note:** All negative values with absolute value  $< 1 \times 10^{-10}$  were treated as  $e^{-35}$ . No negative values with absolute value  $\geq 1 \times 10^{-10}$  were encountered.

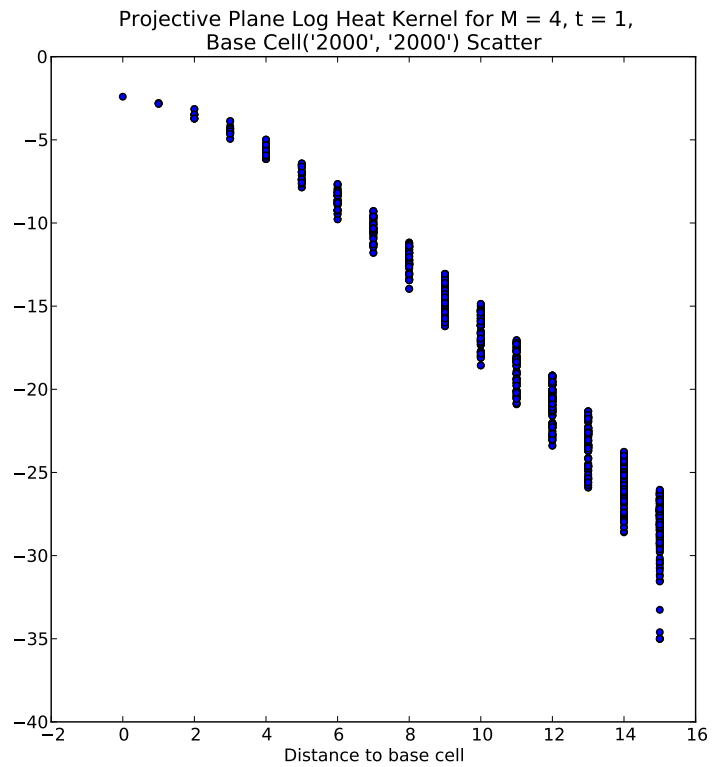
# 1 Base Cell('2000', '2000')

## 1.1 $t = 1$

(Regular)

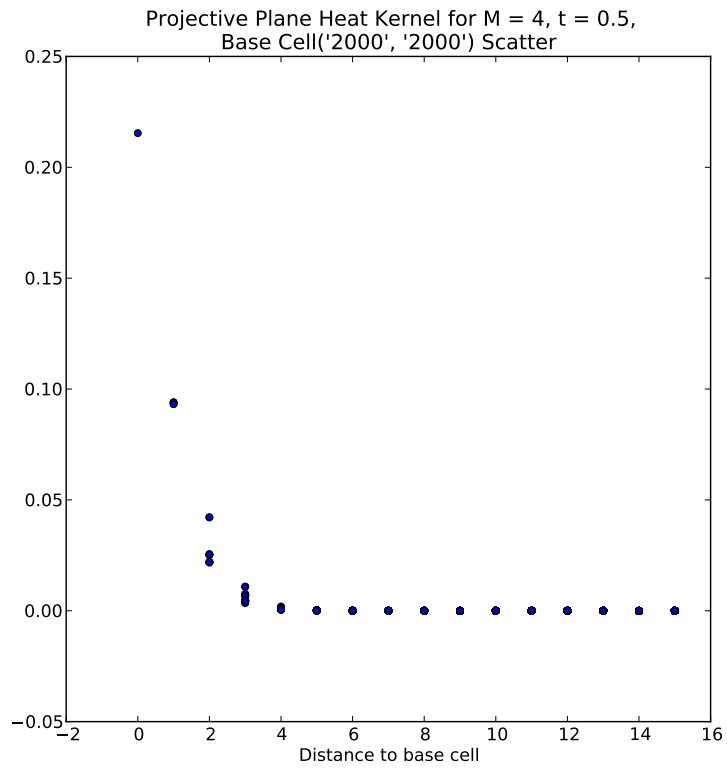


(Log)

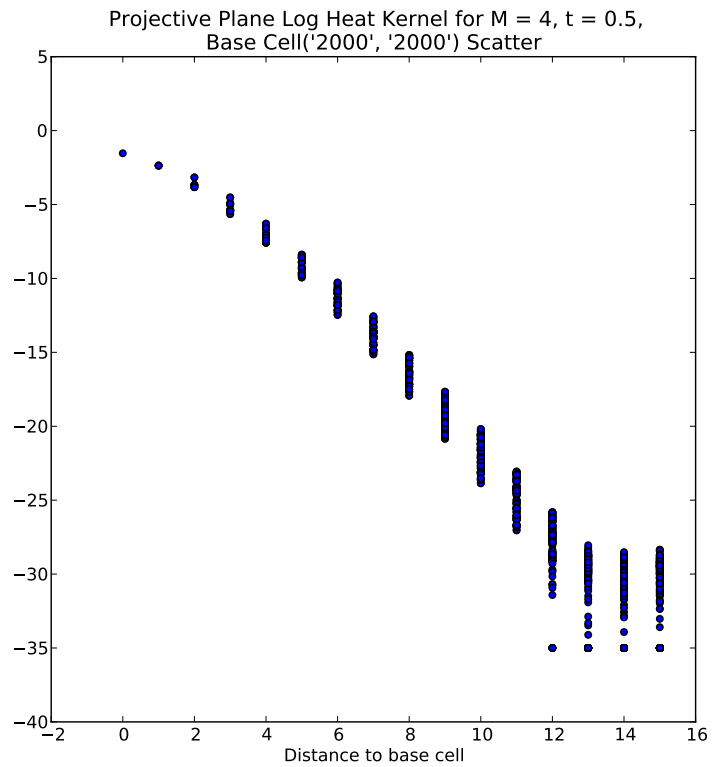


1.2  $t = 0.5$

(Regular)

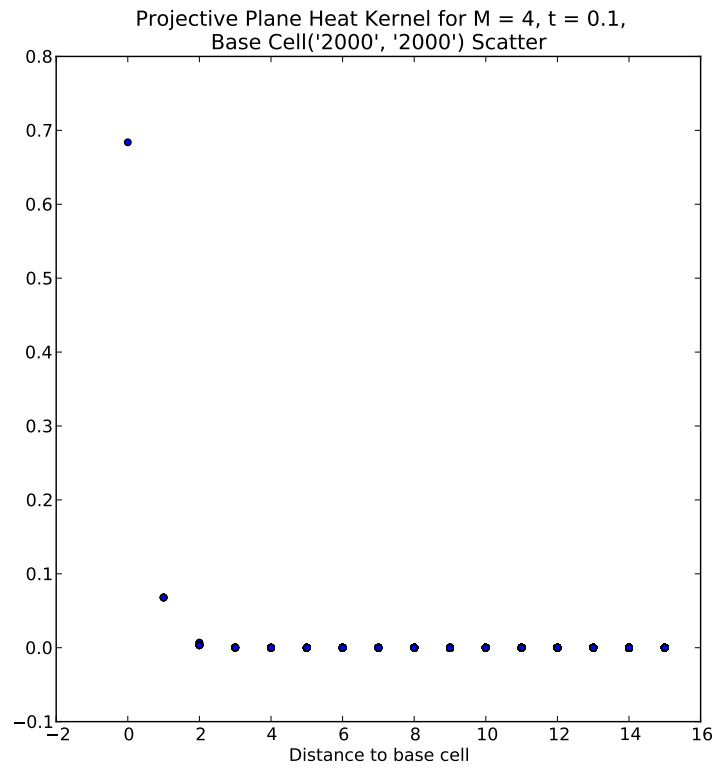


(Log)

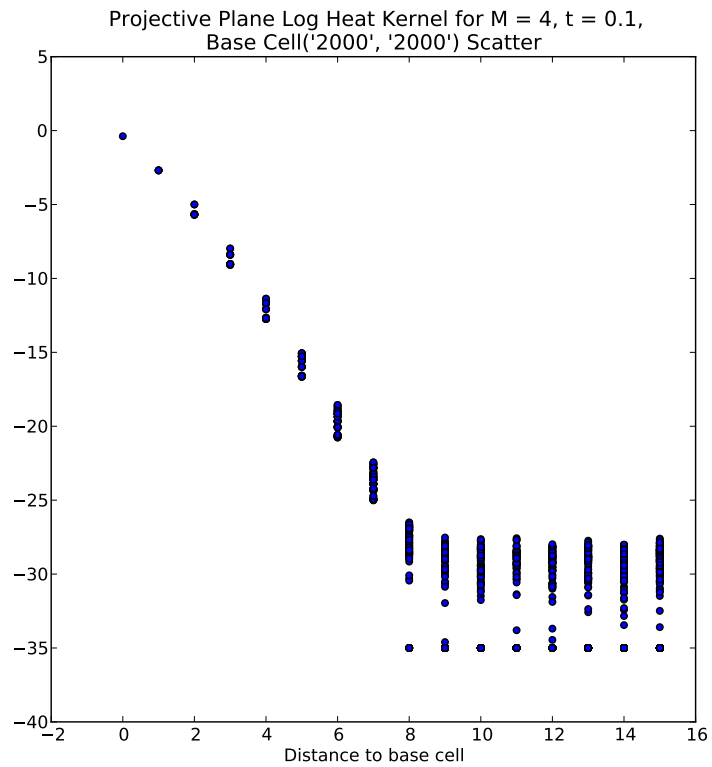


### 1.3 $t = 0.1$

(Regular)

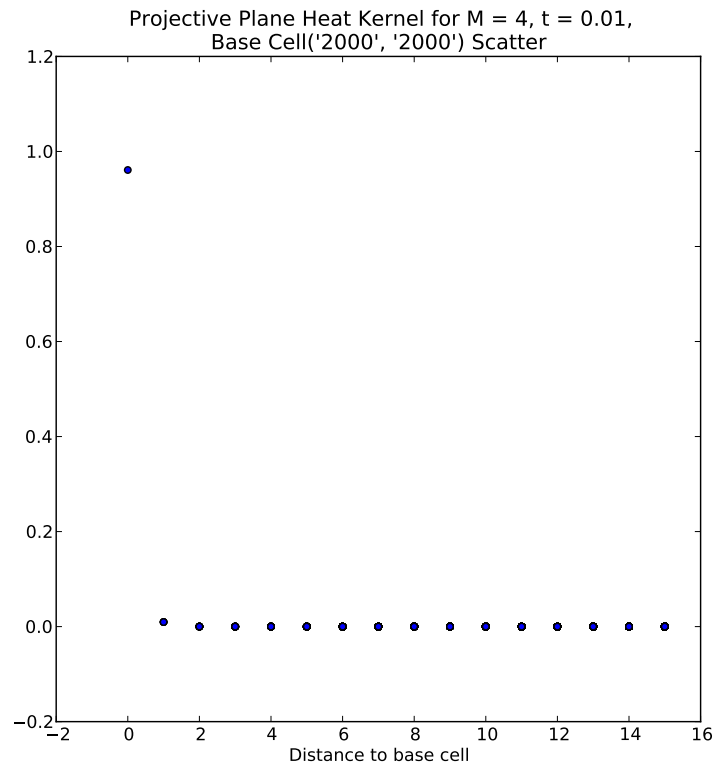


(Log)

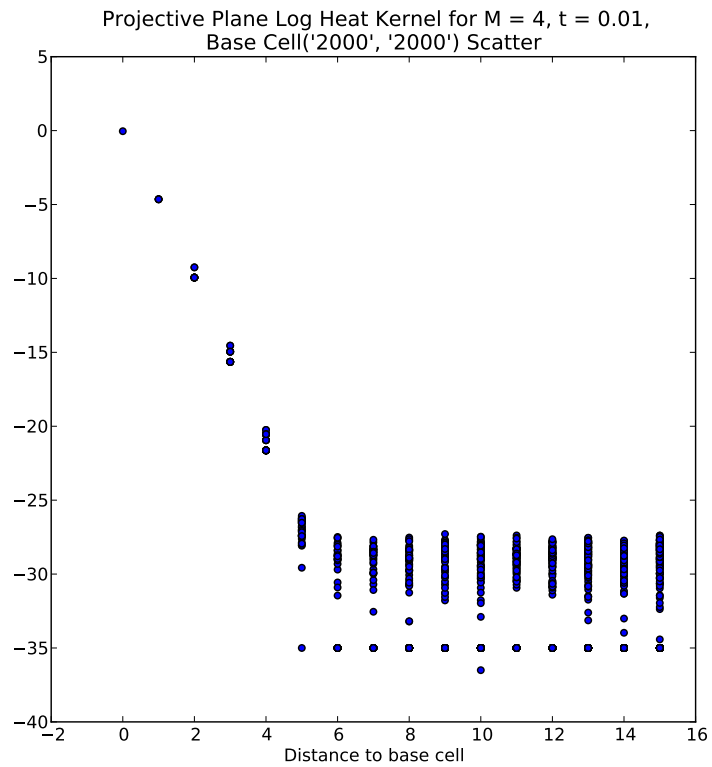


1.4  $t = 0.01$

(Regular)



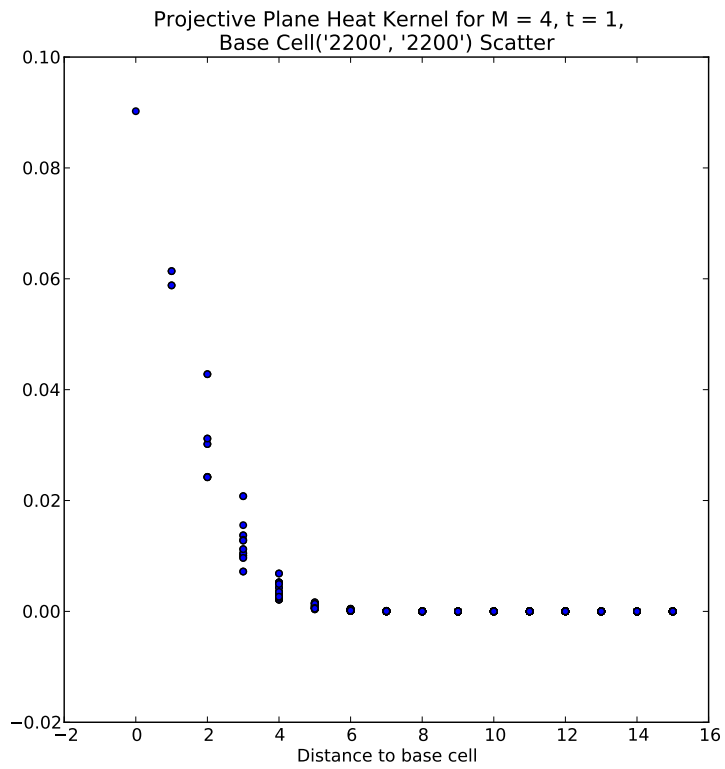
(Log)



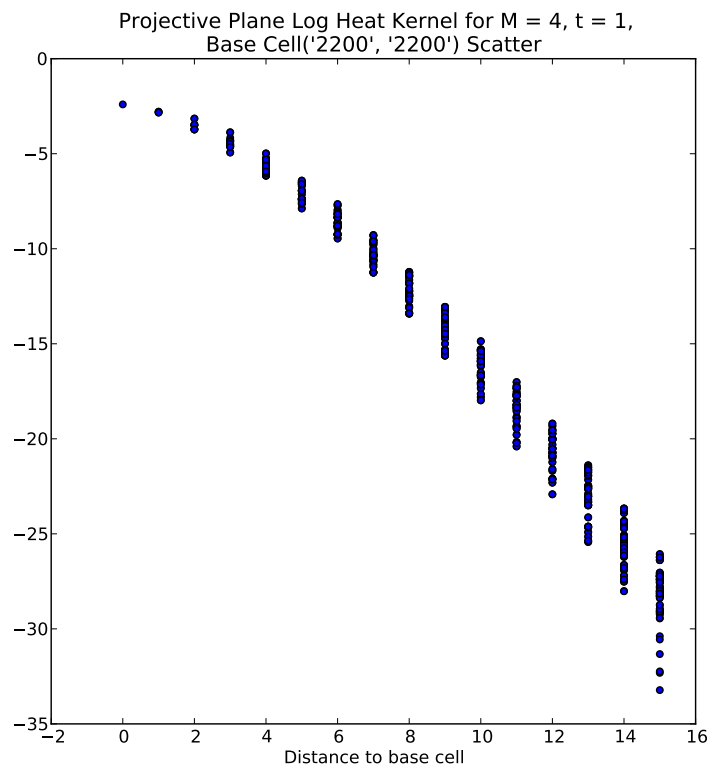
## 2 Base Cell('2200', '2200')

### 2.1 $t = 1$

(Regular)

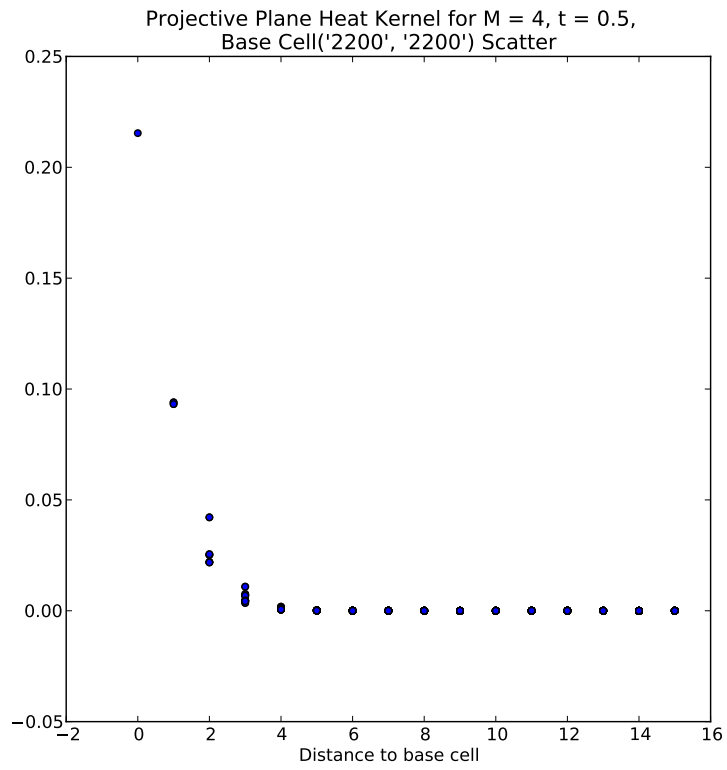


(Log)

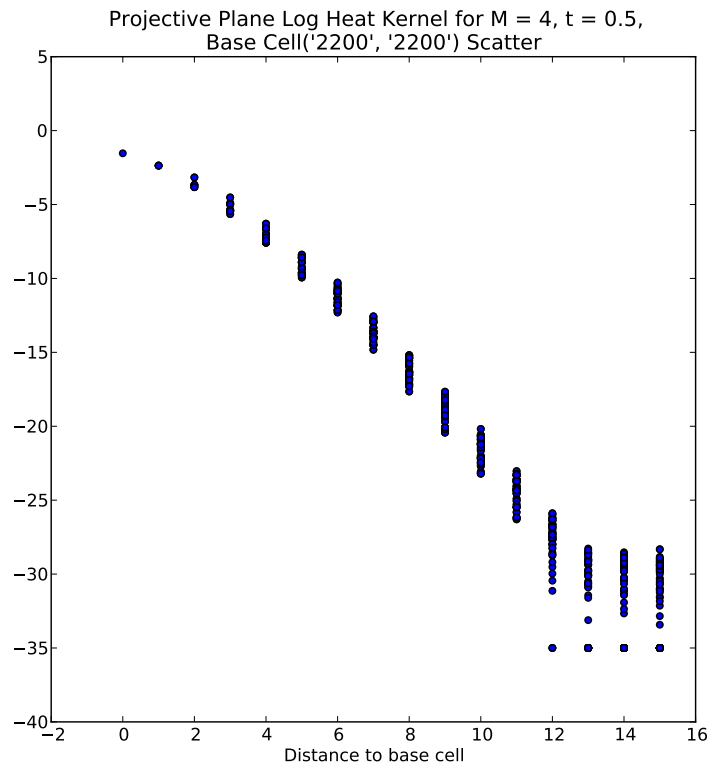


2.2  $t = 0.5$

(Regular)

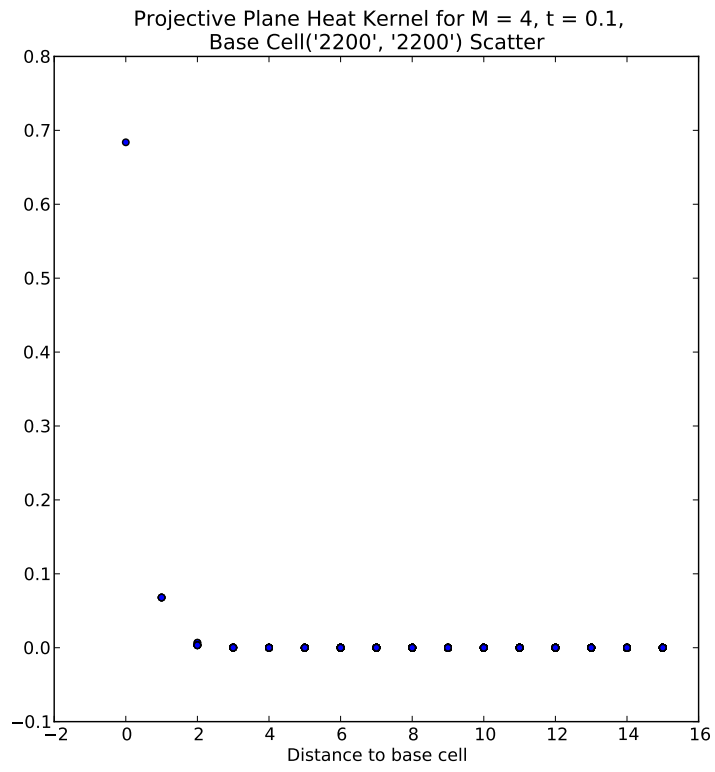


(Log)

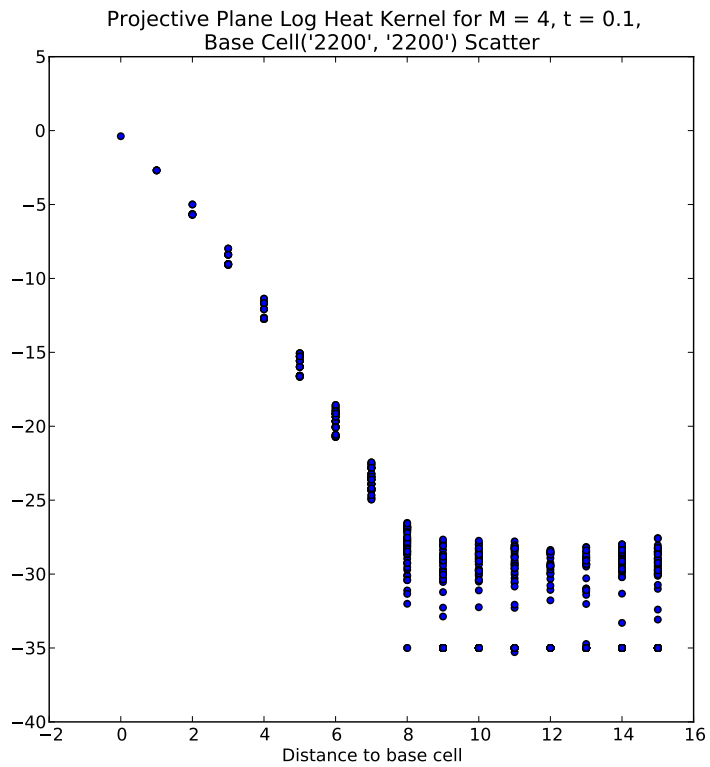


2.3  $t = 0.1$

(Regular)

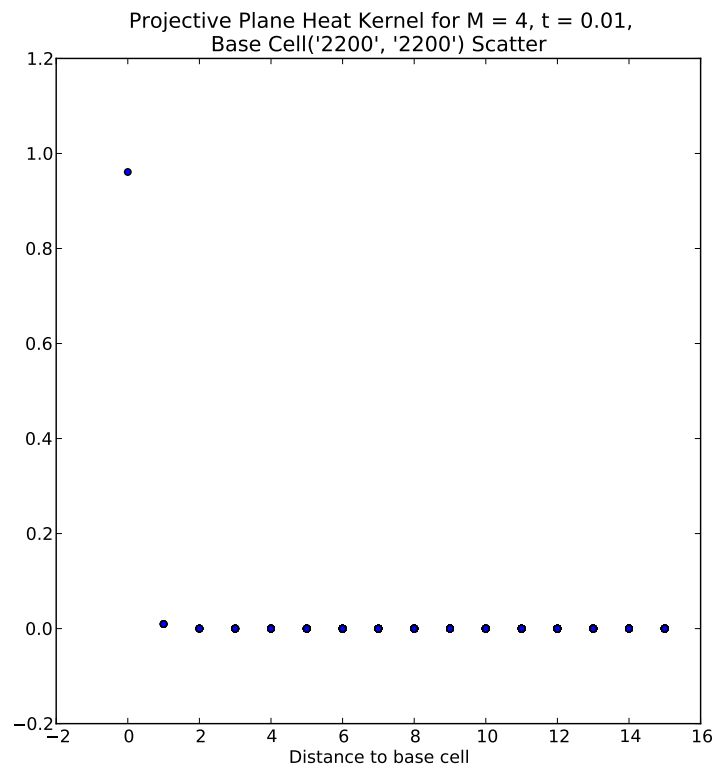


(Log)

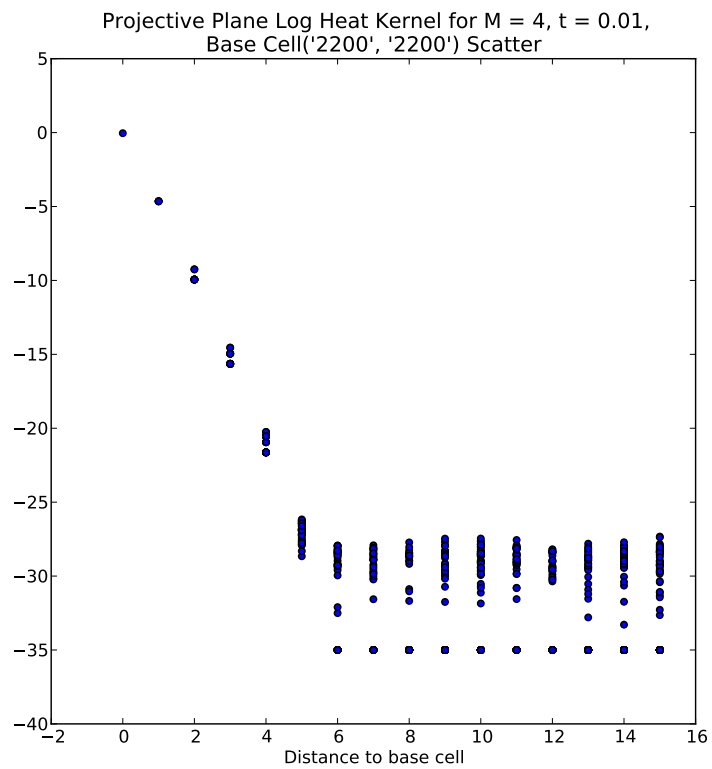


2.4  $t = 0.01$

(Regular)



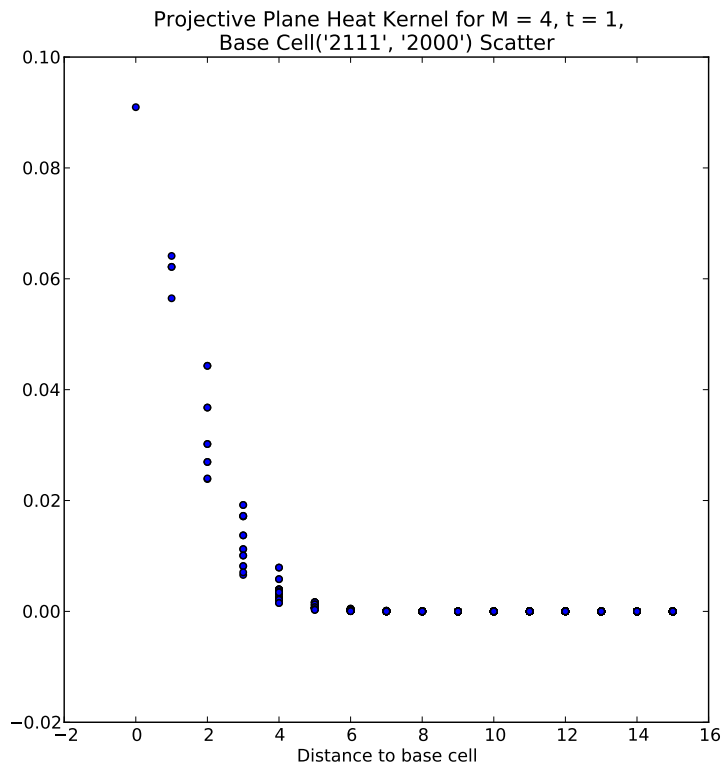
(Log)



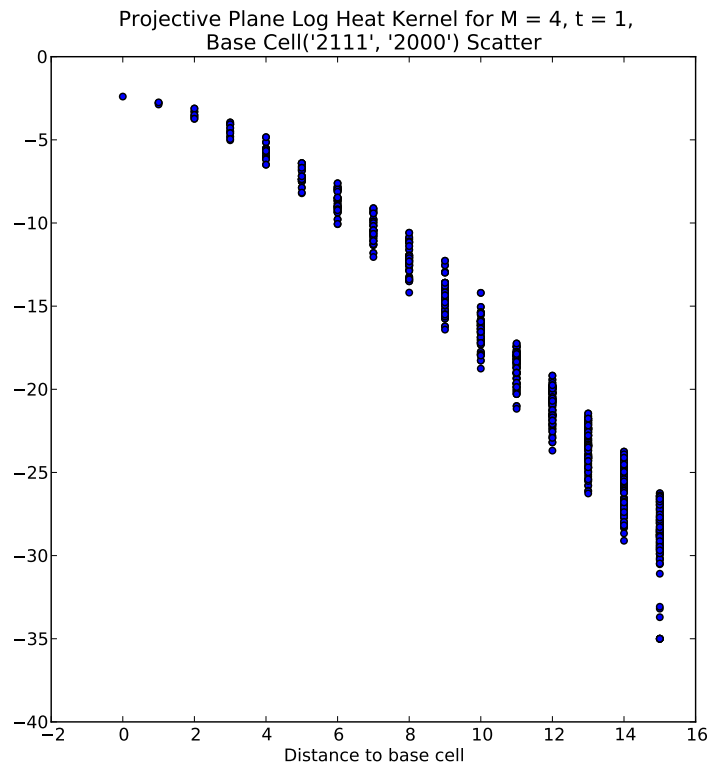
### 3 Base Cell('2111', '2000')

#### 3.1 $t = 1$

(Regular)

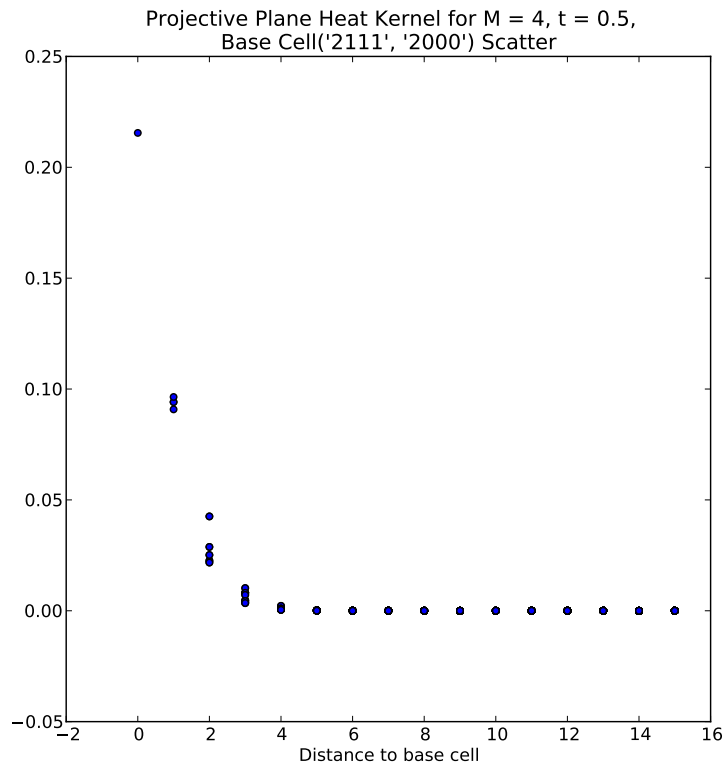


(Log)

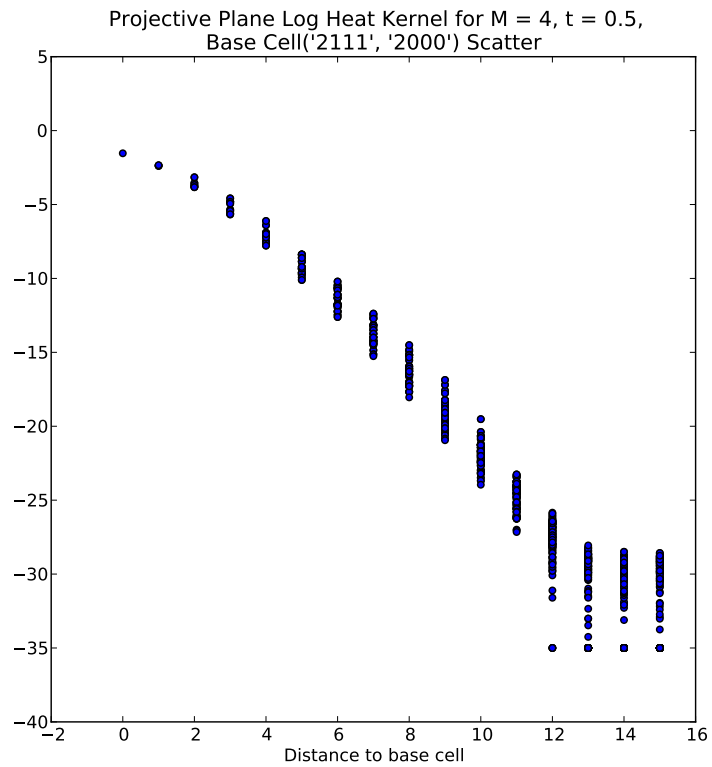


### 3.2 $t = 0.5$

(Regular)

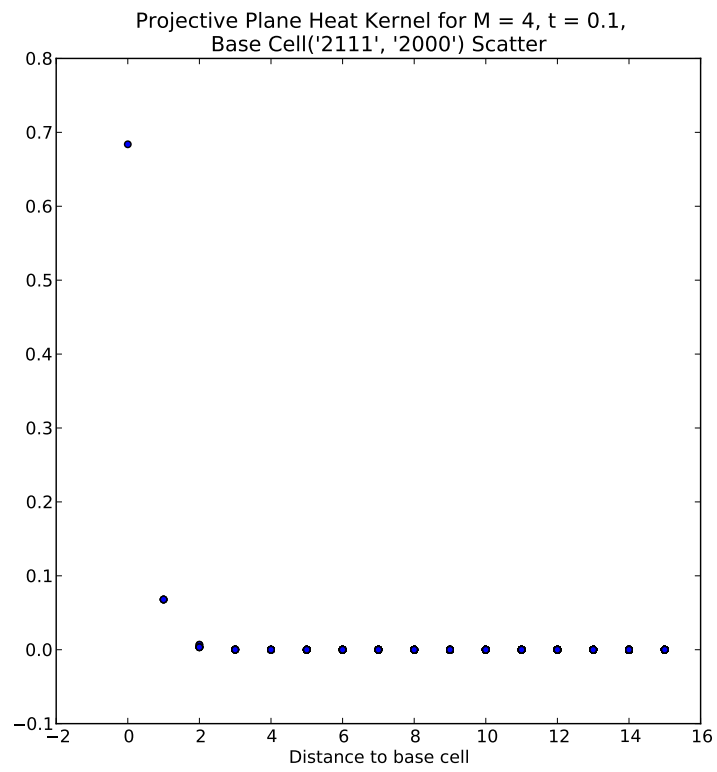


(Log)

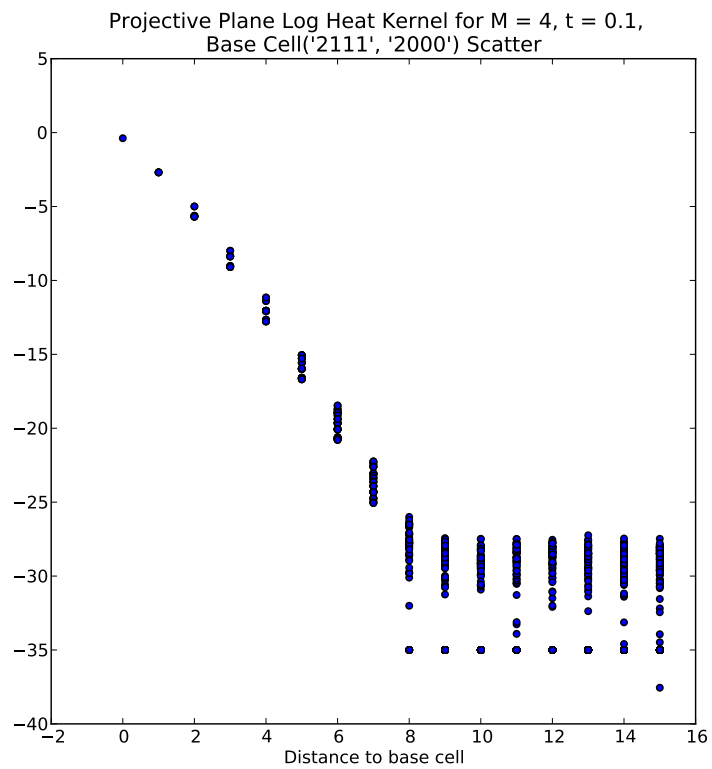


### 3.3 $t = 0.1$

(Regular)

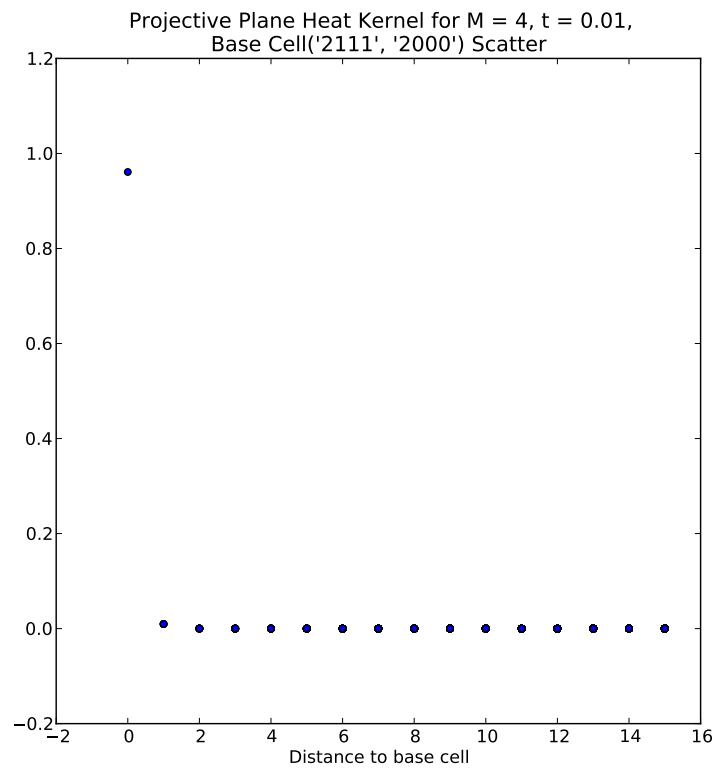


(Log)



### 3.4 $t = 0.01$

(Regular)



(Log)

