[1,*] [2]

[1]D... E... , C... , U... , C... , B... , C... 80309, USA

[2]I... R... E... A... P... , U... , M... , C... P... , M... 20742, USA

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... 2010 ... 2 ... 2010

... / 1 2 . 0 0 ... / 21 0. ... 0 ... 1 ...

... [2], ...

... [7] ...

$$\theta_n = \omega_n + \frac{K}{N} \sum_{j=1}^{N} \sin(\theta_j - \theta_n),$$

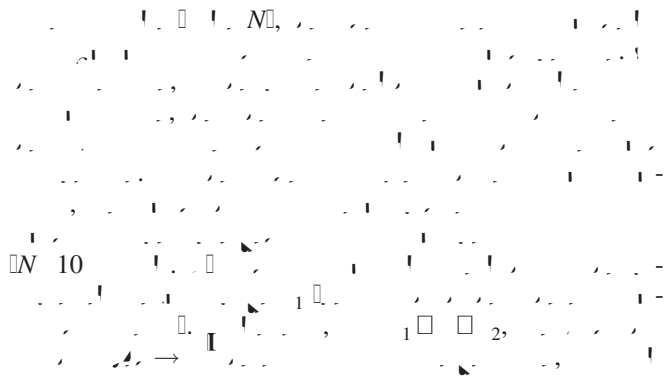
... N ... $j = 1, 2, \ldots, N$ ...

... $N \to \infty$ ...

... N ...

... $N^{-1/2}$ ...

L



1 104, 12 2 200 .
2 438, 200 .
76, 0 1 .
61, 7 200 .
93, 22 101 200 .
29, 1 1 1 .
C O W T 1 7 .
143, 1 2000 C
D S 2002 77,
1 200 .
18, 0 11 200 7 19,
02 11 200 .
10 65,
0 1 0 2002
53, 2 200 96,
1 102 200
75, 0 20
200 76, 01 20 200
38, 12 200 7
102, 0 101 200 .
11 403, 7 2000
61, 7
2000 .
12 . 200 7 0 01 .
1 119, 200 14, 22 7
200 7, 1
200 .
1 100,
2 1 .
1 81, 222
1 7
62, 2000 .
1 73, 01110 200
3, 200 .
1 367,
200 .
1 7 103,
0 101 200 .
1 20, 2 1 7 81,
2 1 7 99, 2 77 1 7
60, 1 0
76, 0 111 7 200 .
20 71,
0 1 1 200 .
21 S P P
C v , 200 .