
```

N = 2.^(0:20);
count = 0;
p = 10^6;
num = 10;
kmax = 2^14;
format longg
clf

ref = 6.231467927023725;

f = @(x) exp(x);
I = 0;
difs = [];

tic

for k = 1:kmax
    hej = 1.2*gpuArray.rand(p, num);
    A = prod(hej, 2);
    test = exp(prod(1.2*hej(:,1:num), 2));
    S = sum(f(A(:)));
    I = ((k-1)*I + ((1.2^num)/p)*S)/k;
    if any(abs(N-k)<.5)
        disp([I 100*k/kmax p*k/toc/10^6 abs(I-ref)])
        difs = [difs abs(I-ref)];
        loglog(2.^(1:length(difs)), difs)
        hold on
        loglog(1:k:length(difs)*k, .0001./sqrt(1:k:length(difs)*k), 'r')
        drawnow
    end
end

```

Columns 1 through 3

6.23088609902016	0.006103515625	17.50309345
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Column 4

0.000581828003568319

Columns 1 through 3

6.23106875620003	0.01220703125	15.844682102
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Column 4

0.000399170823691897

Columns 1 through 3

6.23135990655694	0.0244140625	16.141297240
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Column 4

0.000108020466782932

Columns 1 through 3

6.23140717335367

0.048828125

16.541517618

Column 4

6.07536700591993e-05

Columns 1 through 3

6.23151233156956

0.09765625

16.865162201

Column 4

4.44045458323217e-05

Columns 1 through 3

6.23148318992159

0.1953125

17.094815971

Column 4

1.52628978646874e-05

Columns 1 through 3

6.23147834051046

0.390625

17.27182883

Column 4

1.04134867386918e-05

Columns 1 through 3

6.23150608806316

0.78125

17.373104444

Column 4

3.81610394333265e-05

Columns 1 through 3

6.23148222212129

1.5625

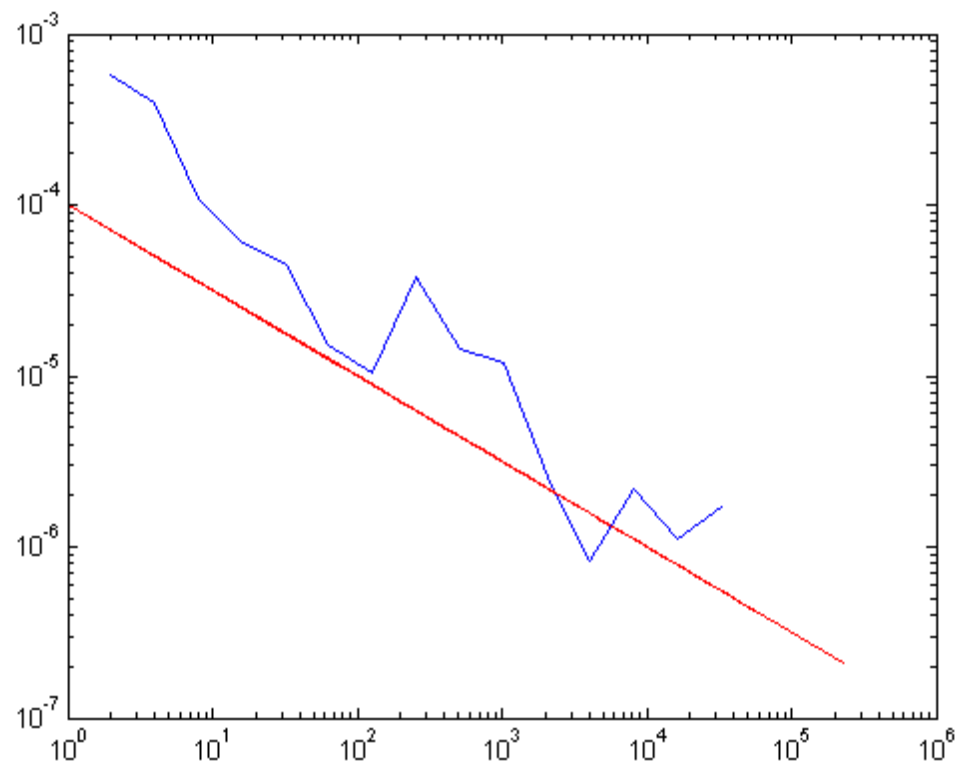
17.370211358

Column 4

1.42950975687839e-05

Columns 1 through 3

6.23147984467325	3.125	17.3696442
Column 4		
1.19176495259055e-05		
Columns 1 through 3		
6.23147051749464	6.25	17.354454613
Column 4		
2.59047091510922e-06		
Columns 1 through 3		
6.23146874606899	12.5	17.37260974
Column 4		
8.1904526272325e-07		
Columns 1 through 3		
6.23146573971806	25	17.371880331
Column 4		
2.18730566281522e-06		
Columns 1 through 3		
6.23146905209433	50	17.386841148
Column 4		
1.12507060112677e-06		
Columns 1 through 3		
6.2314696325924	100	16.897821010
Column 4		
1.70556867828964e-06		



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