>> A = rand(5,6);

>> B = rand(5,6);

>> A.' \* B

ans =

0.7428 2.2302 1.6448 2.0099 1.1475 1.9947

0.3671 1.3903 1.5094 1.9327 0.8450 1.2784

0.5074 1.5965 1.7077 2.0766 1.5044 1.7991

0.4970 1.4861 1.7335 2.1354 1.1687 1.4656

0.8083 1.7449 1.8209 2.0606 0.9942 1.3486

0.7142 1.8934 1.4695 1.5499 1.0982 1.6463

>> x = rand(1,10000000);

>> y = rand(1,10000000);

>> mul\_xy = (x.\*x) + (y.\*y);

>> cnt = 0;

>> inner = 0;

>> for i = 1:10000000

if mul\_xy(1,i) < 1;

inner = inner + 1;

end;

cnt = cnt + 1;

end;

>> 4 \* inner / cnt

ans =

3.1418