hw9_3

November 24, 2019

Consider the following two matrices. The new matrix B is defined as follows: B = T * A * transpose(T). Evaluate the trace of A and B for different values of and comment on your observation

```
A =
           2.0000
  1.0000
                    3.0000
  1.1000
           2.1000
                    3.1000
           1.6000
  2.5000
                    3.3000
6.4000
6.4000
6.4000
6.4000
6.4000
6.4000
6.4000
6.4000
6.4000
6.4000
6.4000
```

6.4000	
6.4000 6.4000	

For any value of theta, Trace(A)=Trace(B)=6.4