

## COUNTEREXAMPLES TO A MATRIX EXPONENTIAL INEQUALITY

WASIN SO

*Abstract.* Counterexamples are constructed for a matrix exponential inequality conjectured in [Linear and Multilinear Algebra 47 (2000) 249–258].

*Mathematics subject classification (2000):* 15A18, 15A45.

*Key words and phrases:* Singular value; matrix exponential; matrix inequality.

### REFERENCES

- [1] R. HORN AND C. JOHNSON, *Matrix Analysis*, Cambridge University Press, 1988.
- [2] W. SO AND R. C. THOMPSON, *Singular values of matrix exponentials*, Linear and Multilinear Algebra **47** (2000) 249–258.