

Exercises

18.25 [1N2] Prerequisites: [1MW]. Difficulty: *.

Prove the relations

$$\frac{d}{dt} \exp(A + tB)|_{t=0} = \int_0^1 \exp(sA) B \exp((1-s)A) ds .$$

using the relations [(18.20)] and [(18.21)] from exercise [1MW].

[[1N3]]