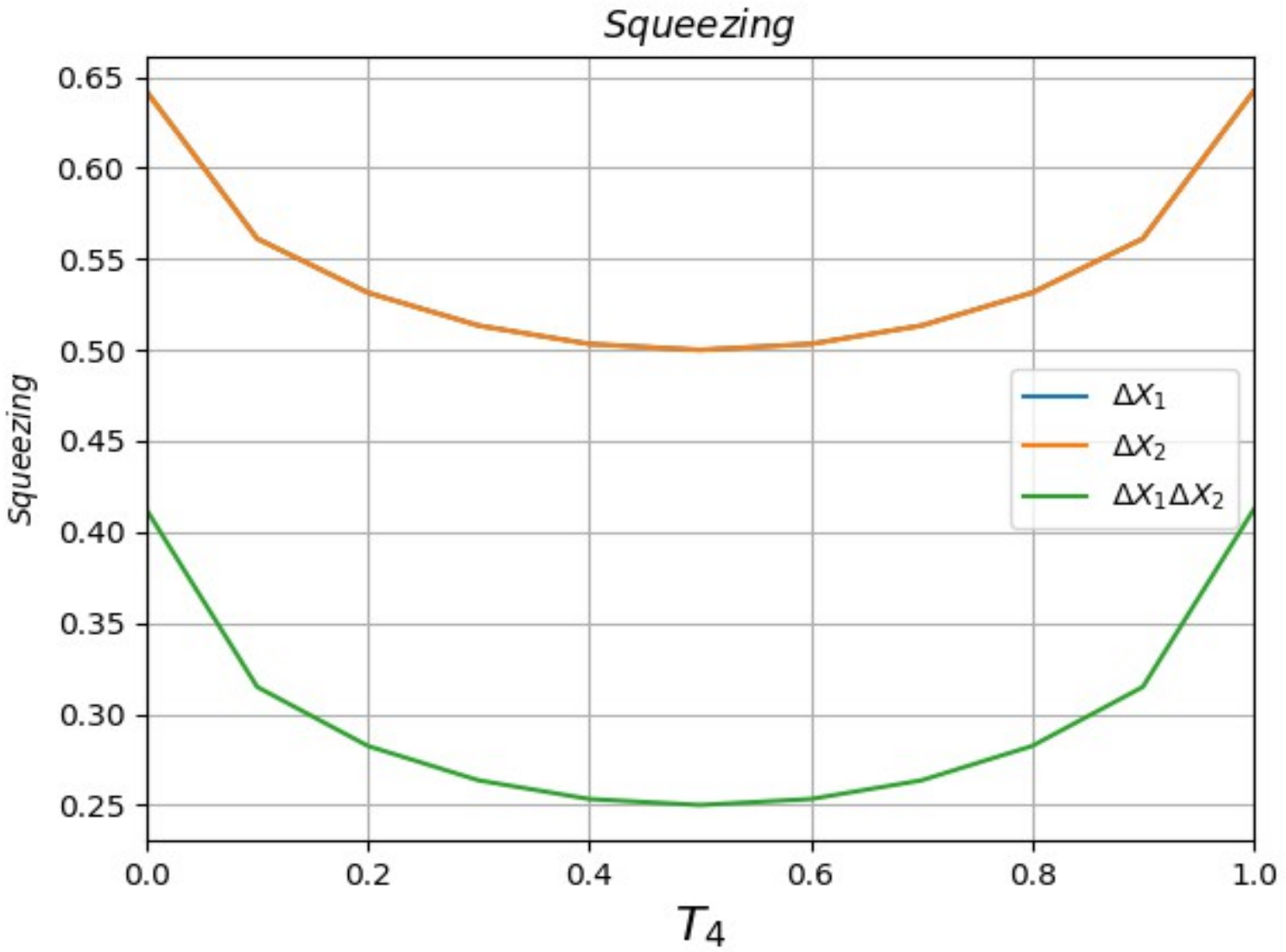
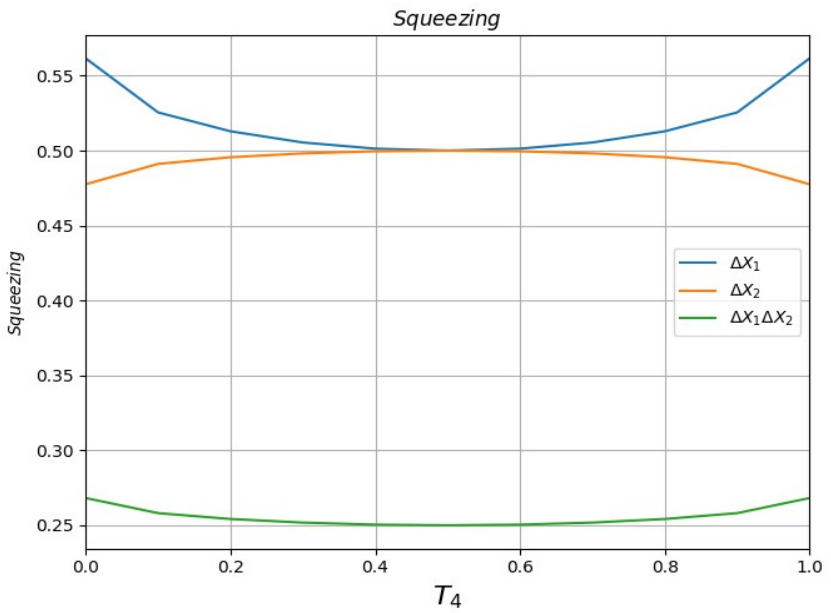
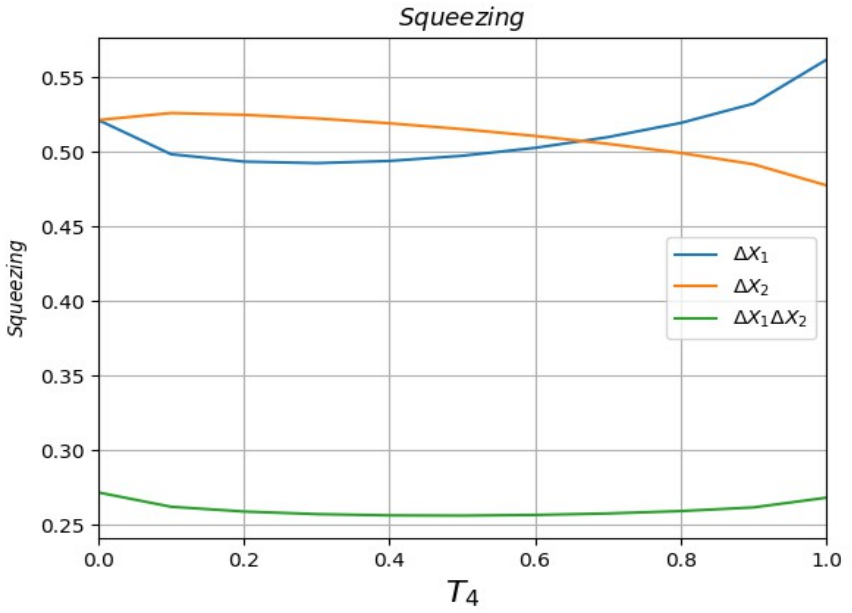
|1> + |alpha=1>, phase = 0 pi, detection=**BOTH.**



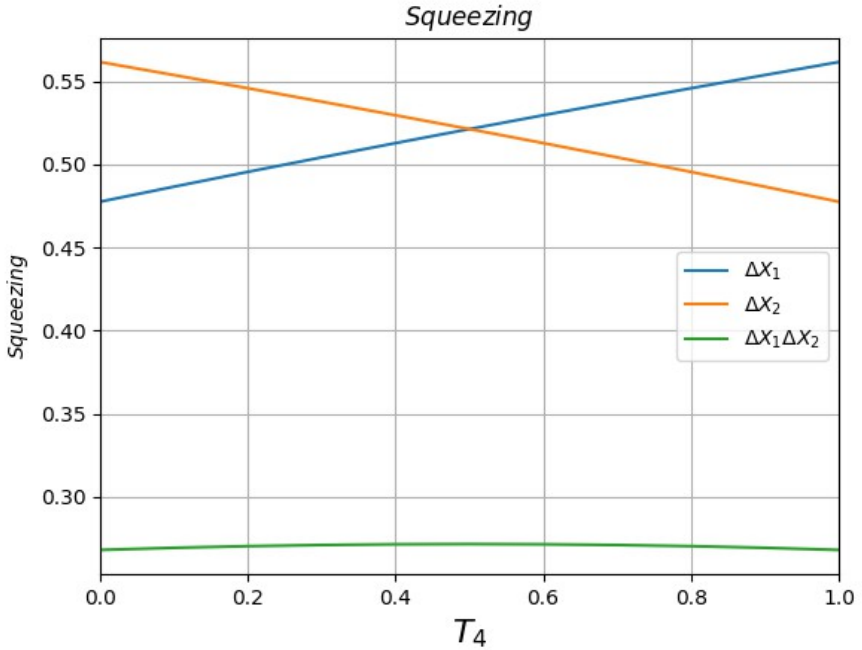
|1> + |alpha=1>, phase = 0 pi, detection=**FIRST**.



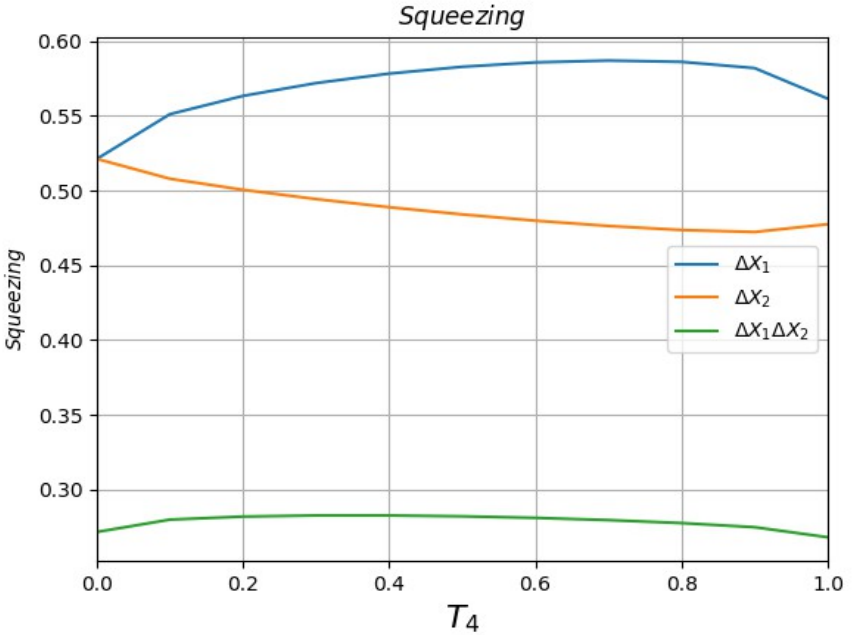
|1> + |alpha=1>, phase = 0.25 pi, detection=**FIRST**.



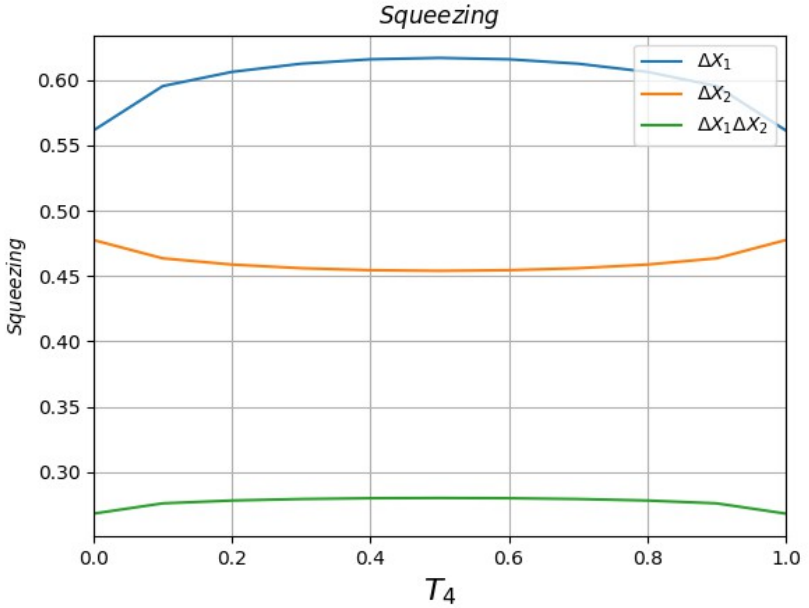
|1> + |alpha=1>, phase = 0.5 pi, detection=**FIRST**.



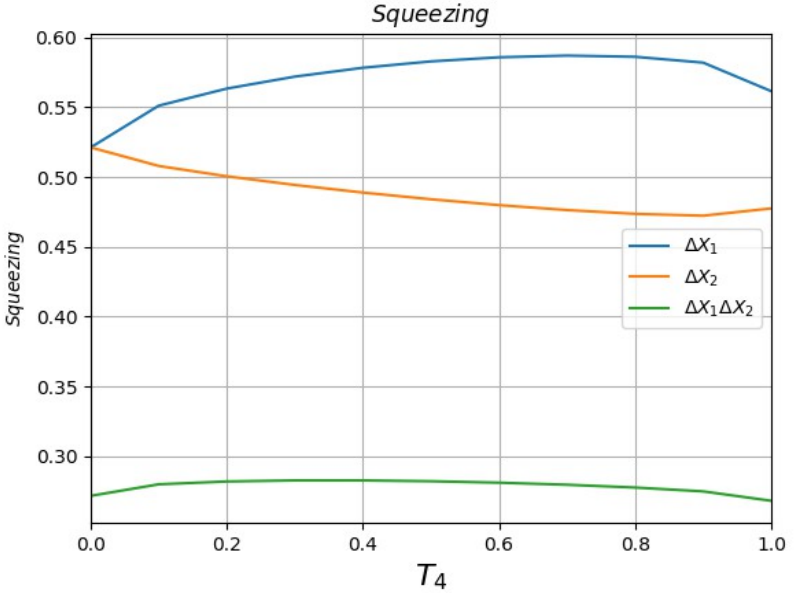
|1> + |alpha=1>, phase = 0.75 pi, detection=**FIRST**.



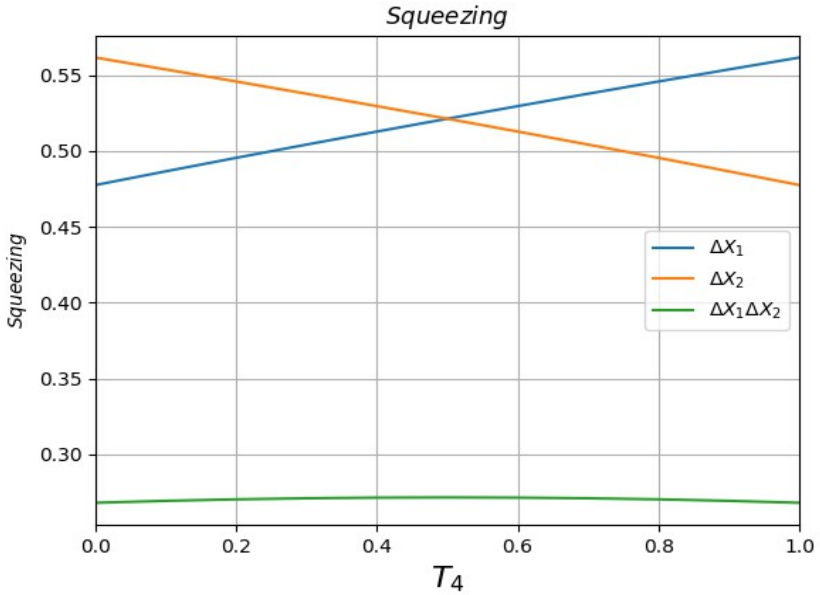
|1> + |alpha=1>, phase = 1.0 pi, detection=**FIRST**.



|1> + |alpha=1>, phase = 1.25 pi, detection=**FIRST**.

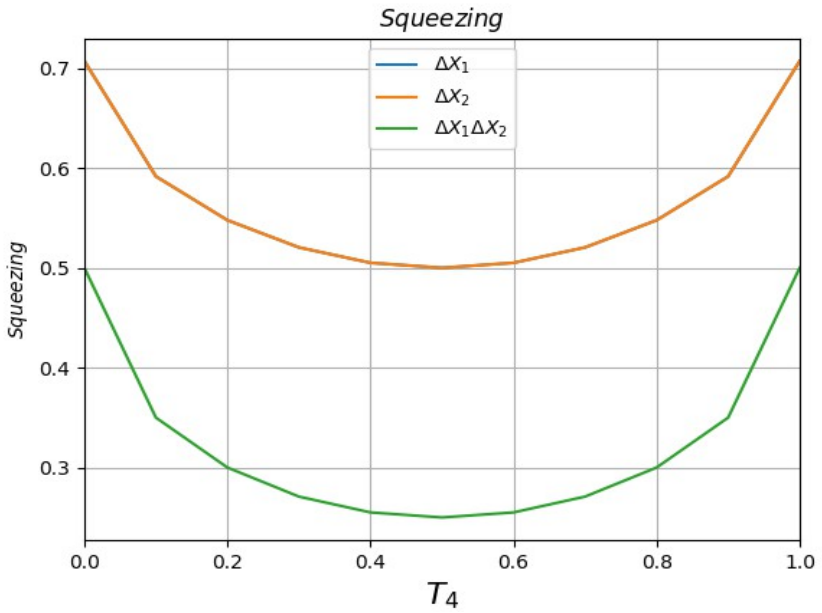


|1> + |alpha=1>, phase = 1.5 pi, detection=**FIRST**.

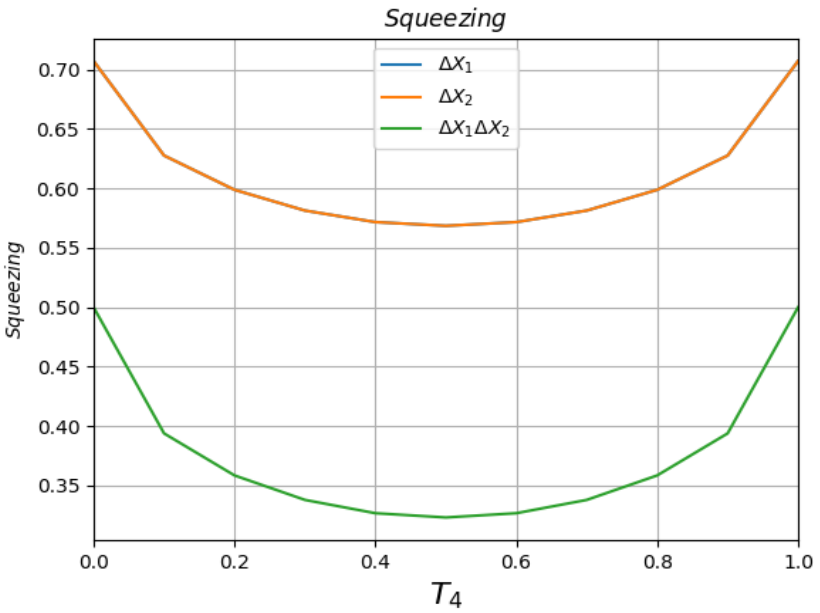


|1> + |alpha=1>, phase = 1.75 pi, detection=**FIRST**.

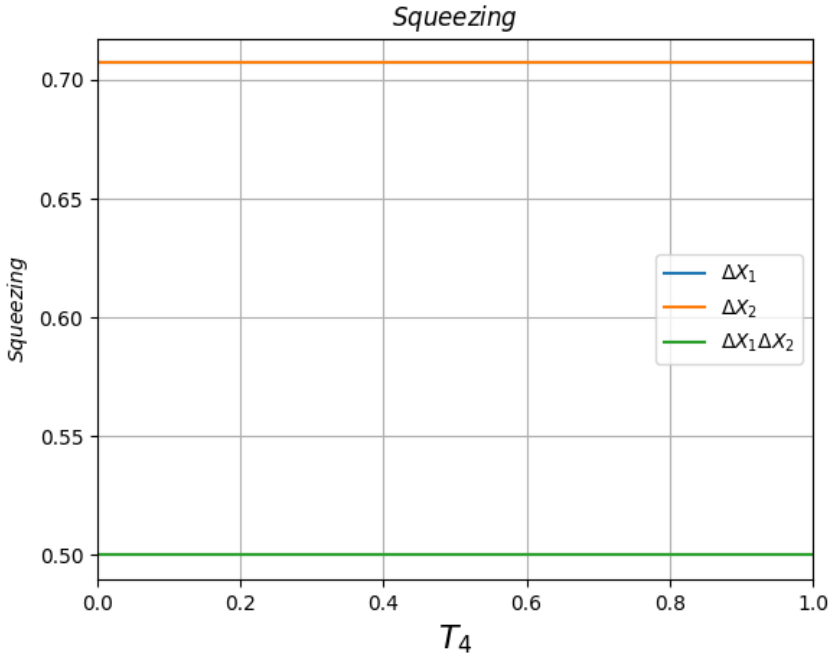
|1> + |alpha=1>, phase = 0 pi, detection=**NONE**.



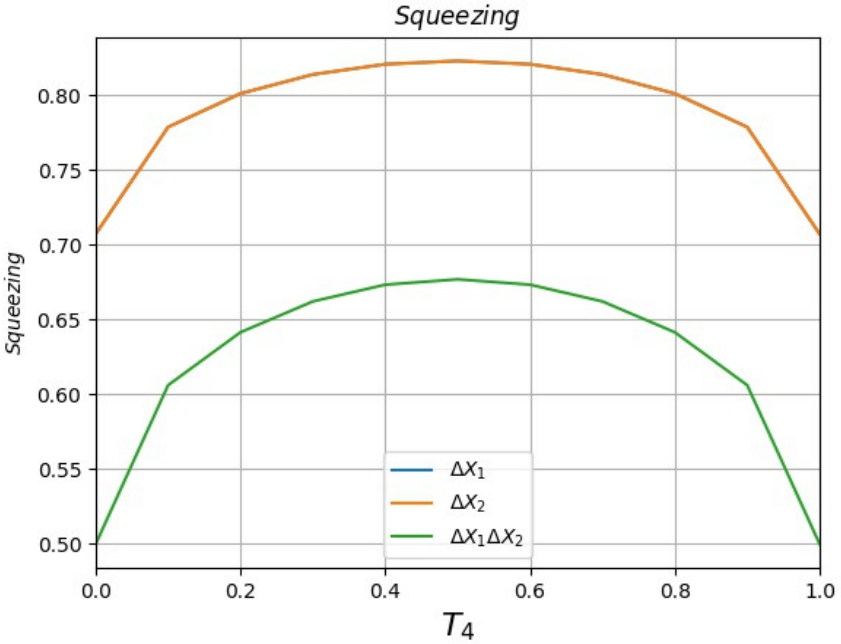
|1> + |alpha=1>, phase = 0.25 pi, detection=**NONE**.



|1> + |alpha=1>, phase = 0.5 pi, detection=**NONE**.

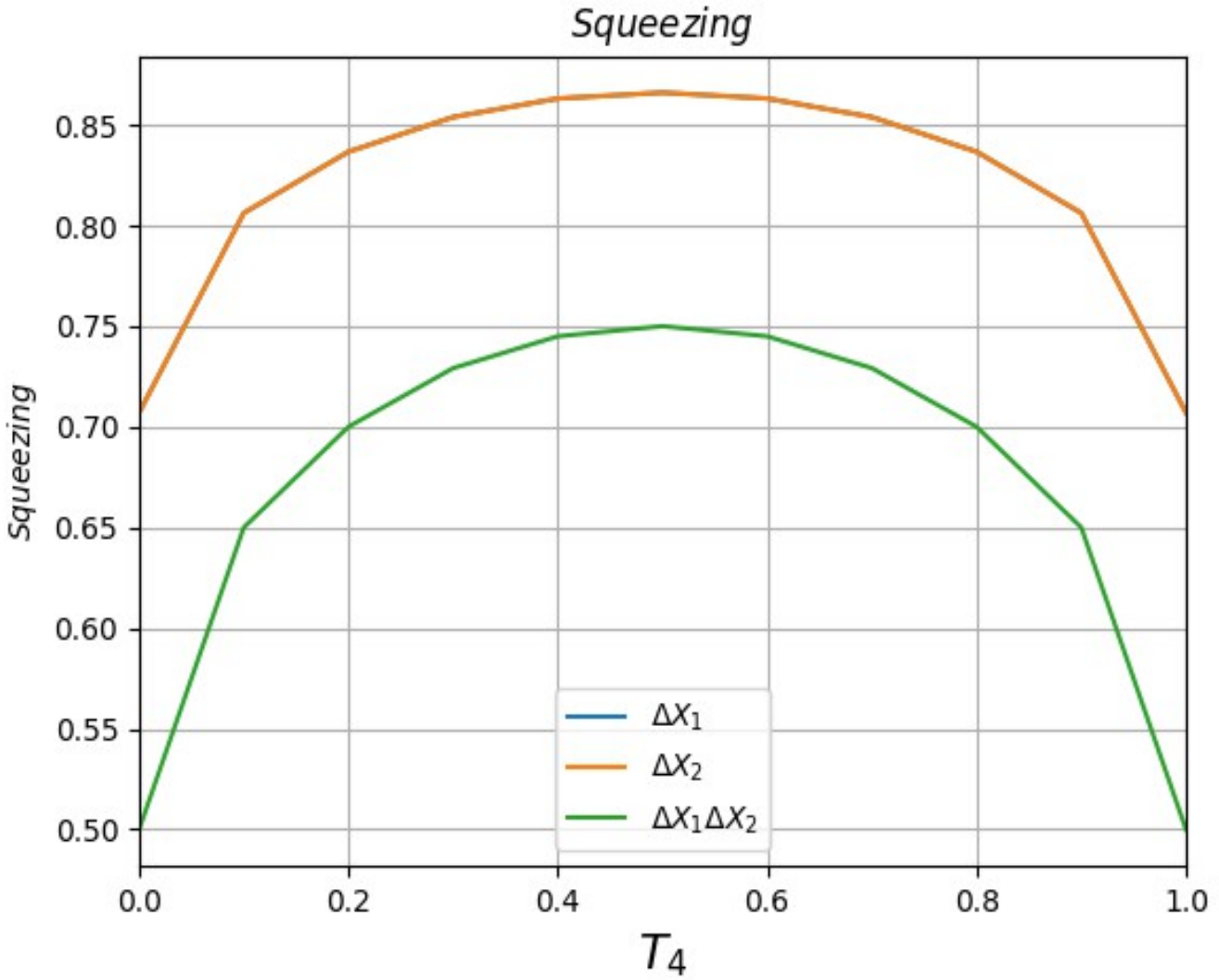


|1> + |alpha=1>, phase = 0.75 pi, detection=**NONE**.



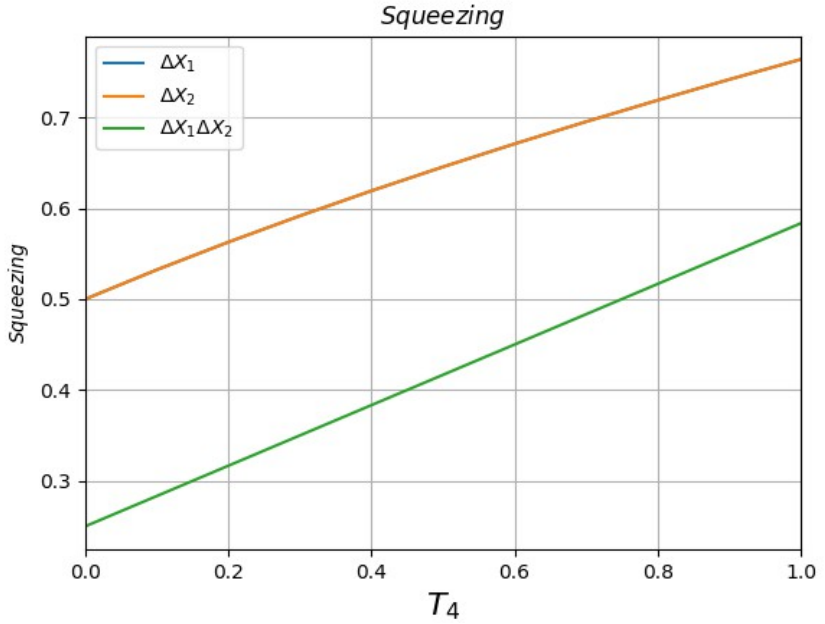
Quadrature of 2nd channel.

|1> + |alpha=1>, phase = 0 pi,
detection=**NONE,** channel=2

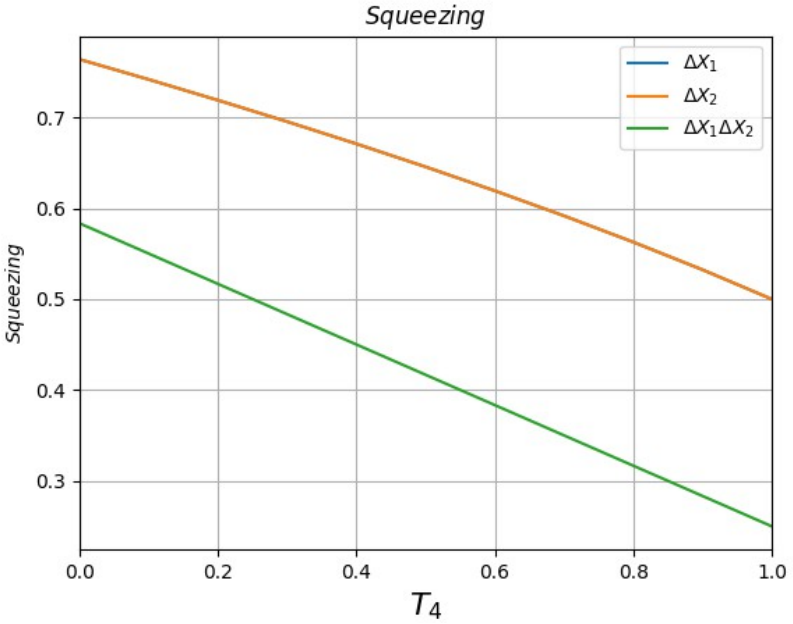


Equals to |1> + |alpha=1>, phase = 0.75 pi, detection=**NONE, channel=1**.

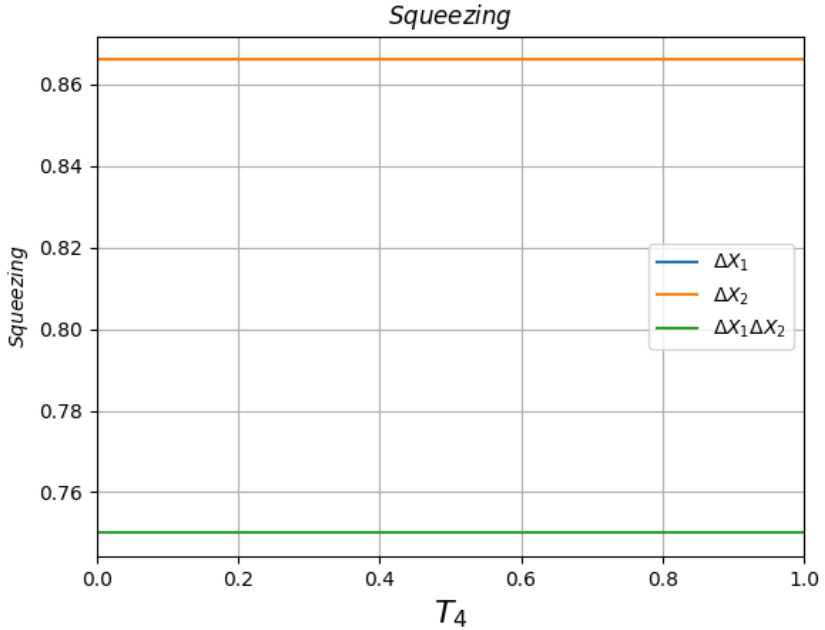
|1> + |1>, phase = 0 pi,
detection=**FIRST,** channel=1



|1> + |1>, phase = 0 pi,
detection=**THIRD**, channel=1

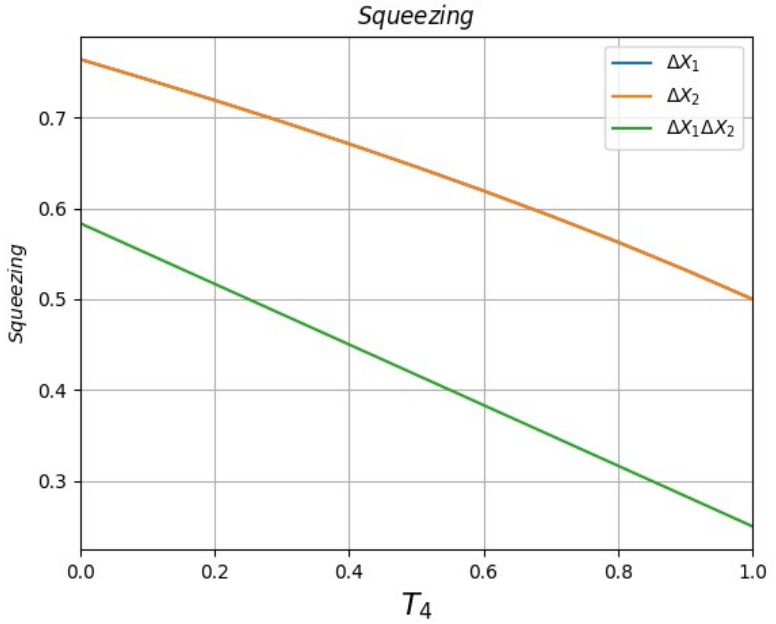


|1> + |1>, phase = 0 pi,
detection=**NONE**, channel=1

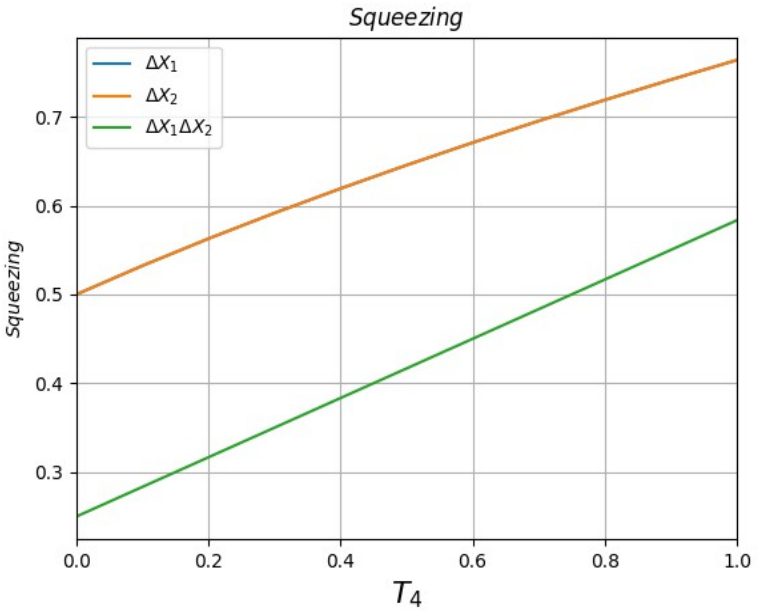


The phase doesn't matter here.

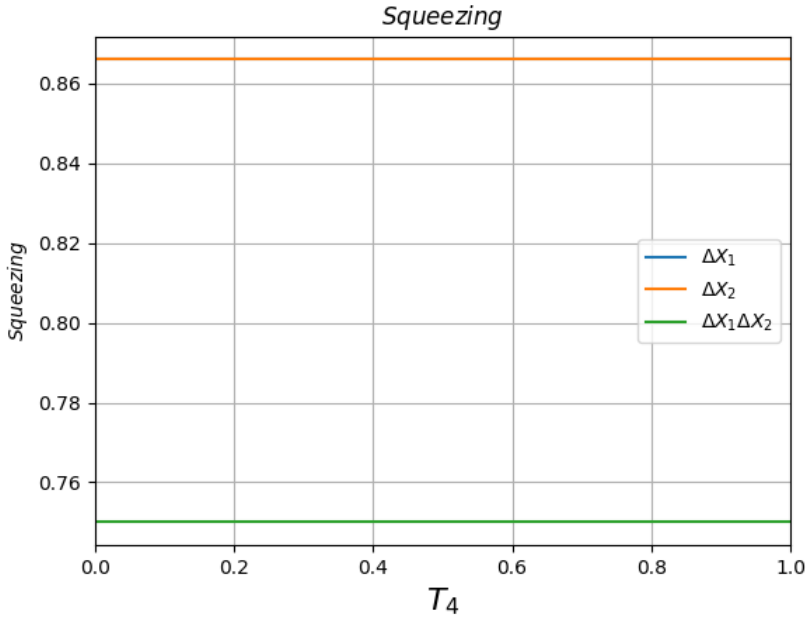
|1> + |1>, phase = 0 pi,
detection=**FIRST,** channel=2



|1> + |1>, phase = 0 pi,
detection=**THIRD,** channel=2



|1> + |1>, phase = 0 pi,
detection=**NONE,** channel=2



The phase doesn't matter here.