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In this set of notes I collect the technical aspects concerning generalised parton distributions (GPDs). Since the computation GPDs introduces new kinds of convolution integrals, a strategy aimed at optimising the numerics needs to be devised.

## 1 Evolution equations

We start by discussing the implementation of the evolution equations. I will try to stick to Ref. [1] for the general notation. First, I introduce the main variables involved in the computation of GPDs:

- $x \equiv \frac{Q^2}{2pq}$  is the usual Bjorken  $x$  defined in the range  $[-1 : 1]$ ,
- $\xi = \frac{p^+ - p'^+}{p^+ + p'^+}$ ,
- $t = (p - p')^2$  is the usual  $t$ -channel squared energy,
- $\mu$  the renormalisation scale

Sect. 3.1 of Ref. [1] gives a comprehensive review of the relevant variables and notation.

## References

- [1] M. Diehl, Phys. Rept. **388** (2003) 41 doi:10.1016/j.physrep.2003.08.002, 10.3204/DESY-THESIS-2003-018 [hep-ph/0307382].