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## Asymptotic symmetries, soft theorems and memory effects in gravity

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Over the last few years a triangular equivalence relation was discovered connecting three apparently different topics: asymptotic symmetries, soft theorems and memory effects. This equivalence relation can be drawn potentially in every theory with a massless particle, for example in QED, QCD, SUSY, gravity and string theory.

I will review the triangular equivalence in the context of gravity and I will examine its generalization in arbitrary even dimensions. I will focus in particular on the connection between the subleading soft graviton theorem and asymptotic symmetries.

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