

## Chapter 14: One-Loop QED: Vacuum Polarization, Self-Energy, and Vertex Correction

This section is already in the book plan, but it has not been written fully yet. The book owner can press Generate section to write this part with the language model connected to TheoryTrace.

Section plan:

Computes the fundamental one-loop structures of QED, introduces regularization, identifies ultraviolet divergences, and explains the physical roles of charge screening, mass shifts, wavefunction renormalization, and magnetic moment corrections.

### References

References will be added when this section is generated.

## Document information

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