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## Constraints on the $\omega\pi$ form factor from analyticity and unitarity

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Motivated by the discrepancies noted recently between the theoretical calculations of the electromagnetic  $\omega\pi$  form factor and certain experimental data, we investigate this form factor using analyticity and unitarity in a framework known as the method of unitarity bounds. We use a QCD correlator computed on the spacelike axis by operator product expansion and perturbative QCD as input, and exploit unitarity and the positivity of its spectral function, including the two-pion contribution that can be reliably calculated using high-precision data on the pion form factor. From this information, we derive upper and lower bounds on the modulus of the  $\omega\pi$  form factor in the elastic region. The results provide a significant check on those obtained with standard dispersion relations, confirming the existence of a disagreement with experimental data in the region around  $0.6\text{GeV}$ .

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