CONFINEMENT OF QUARKS

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It took quite some time before it was understood how linearly rising potential fields can emerge and cause permanently confining forces between quarks in QCD. But now we know: the fact that only completely gauge-invariant structures can form asymptotic states, should be considered to be the natural rule, while Quantum Electrodynamics with its long- range Coulomb forces, and charged particles in the asymptotic states, is the exception. After a brief resumme of magnetic monopole condensation and the effects of instantons on confinement, we discuss how one might handle confinement within a perturbative expansion, using infrared renormalization and/or effective classical actions.