

REFERENCES AND FOOTNOTES

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- ³We have been informed (K. Symanzik, private communication) that the asymptotic freedom of pure Yang-Mills theory was known to G. t'Hooft, but not published by him.
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- ⁵N. N. Bogolubov and D. V. Shirkov, Doklady AN SSSR, 103, 391 (1955).
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- ¹⁰During this time the renormalization group was employed in an attempt to construct a finite (finite renormalization constants) theory of Q.E.D. See K. Johnson, M. Baker and R. Wiley, Phys. Rev. 136B, 111 (1964); K. Johnson, R. Wiley and M. Baker, Phys. Rev. 163, 1699 (1967); M. Baker and K. Johnson, Phys. Rev. 183, 1292 (1969); M. Baker and K. Johnson, Phys. Rev. D3, 2516, 2541 (1971), S. Adler, Phys. Rev. D5, 3021 (1972).

This use of the renormalization group is quite different from that discussed in this paper. For a discussion of the effect that the asymptotic freedom of a non-abelian gauge theory of the weak and electromagnetic interactions might have on the Baker-Johnson-Wiley-Adler program, see Section V.