Compositeness Conditions.

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We wish to correct a factual error in a recent Letter of YOSHIMURA ⁽¹⁾, referring to a paper by the author ⁽²⁾. Equation (9) of this Letter (an expression for the composite propagator in terms of the vertex function) reads

$$\mathcal{G}(P) = -\frac{1}{Z_1 \alpha} + \lambda^2 \iint dp dp' \mathcal{S}(P, p, p')$$

and is followed by the remark: «The first term on the right-hand side of (9) was omitted in the discussion by BROIDO

and TAYLOR, but it is important in the high-energy behaviour of $\mathcal{G}(P)$ ». (Here we have corrected two typographical errors in ref. ⁽¹⁾, substituting (9) for (10) and $\mathcal{G}(P)$ for $\mathcal{G}(p)$.)

The remark is quite wrong. The constant appears explicitly as the first term in Fig. 14 of ref. ⁽²⁾, and can be ignored in the further propagator equations of that reference because they all refer (explicitly!) to *residues at the propagator pole* and not to high-energy limits. We would entirely agree that it is important in the high-energy behaviour. Indeed, we also agree with the conclusions of ref. ⁽¹⁾ about the condition $Z_1 = 0$, an assertion which will surprise nobody since all the eqs. (1)-(9) of this reference are quite well known.

⁽¹⁾ T. YOSHIMURA: *Nuovo Cimento*, **49 A**, 750 (1967).

⁽²⁾ M. M. BROIDO and J. G. TAYLOR: *Phys. Rev.*, **147**, 993 (1966).