Note on the Paper

On the Structure of Analytic Renormalization

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Section 3 of this paper may be considerably simplified by replacing Definition 3.14 by the equivalent

Definition. For any $\chi \subset \Omega$, we define $\mathscr{S}(\chi) : \mathscr{B} \to \mathscr{B}$ by

$$\mathscr{S}(\chi)f = \sum_{\psi \subset \chi} (-1)^{|\chi - \psi|} \mathscr{V}_{\psi}.$$

Lemma 3.8, Corollary 3.12, and Lemma 3.16 may now be omitted. The results needed in Section 4, namely Remark 3.19 and Theorem 3.20, are easily proved directly from the new definition, using Lemma 3.6.

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