Getting rid of the

 $\left\langle F \colon \mathcal{E} \oplus^{\frac{1}{2} \sum_{i,j \in B} G_{ij} z_i z_j} \right\rangle_{\mathcal{B}} = \det(1 - GF)^{-1/2} \left\langle F (1 - GF)^{-1} \colon \mathcal{E} \right\rangle_{\mathcal{B}}$

quadratic.

Lemma 1. With convergences left to the reader,