RESPONSE TO REFEREE 1

Feb. 2024

1. When Φ plays the role of a geometric field, it always appears with indices, e.g., $\Phi_{\mu\nu}$. We have added a footnote to clarify that Φ as defined around (3.50) is not related to the geometric field.

2. Well spotted. These have now been fixed.

3. Indeed it does. We have removed it.

4. This has been fixed.