Erratum to *Correlation Functions of Harish-Chandra Integrals over the Orthogonal and the Symplectic Groups* **by A. Prats Ferrer, B. Eynard, P. Di Francesco and J.-B. Zuber**

Replace the last paragraph of Appendix A by

Symplectic group Sp$(2m)$

Let $\mathbb{H}$ be the space of real quaternions. Consider the hermitian form on $\mathbb{H}^m$

$$(x,y)=\sum_{i=1}^{m}\bar{x}_i y_i \ . \qquad \text{(A-7)}$$

The *compact* unitary symplectic group Sp$(2m)$ is defined as the invariance group of that form, and is thus the group of $m\times m$ real quaternionic matrices Q such that

$$\bar{Q}^T Q = I \qquad \text{or} \qquad Q^R Q = I \ . \qquad \text{(A-8)}$$

These matrices may be called unitary real quaternionic matrices. The Lie algebra of Sp$(2m)$ is generated by real quaternionic matrices A satisfying the infinitesimal version of (A-8),

$$\bar{A}^T + A = 0 \qquad \text{or} \qquad A^R = A^\dagger = -A \ , \qquad \text{(A-9)}$$

hence by *antiselfdual real quaternionic* matrices.