

**ERRATA:**  
***SPECIAL HYPERGEOMETRIC MOTIVES AND THEIR  
L-FUNCTIONS: ASAI RECOGNITION***

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This note gives errata for the article *Special hypergeometric motives and their L-functions: Asai recognition* [1].

- (1) Before (4.3), the factorization giving  $\alpha_{\mathfrak{p}}, \beta_{\mathfrak{p}}$  is missing the central character: it should be

$$1 - a_{\mathfrak{p}}T + \psi(\mathfrak{p}) \mathrm{Nm}(\mathfrak{p})^{w_0} T^2 = (1 - \alpha_{\mathfrak{p}}T)(1 - \beta_{\mathfrak{p}}T) \in \mathbb{C}[T].$$

- (2) Before (4.12), the character is missing, should be:

$$\det(1 - \rho(\mathrm{Frob}_{\mathfrak{p}})T) = 1 - a_{\mathfrak{p}}T + \psi(\mathfrak{p}) \mathrm{Nm}(\mathfrak{p})^{w_0} T^2.$$

REFERENCES

- [1] Lassina Dembélé, Alexei Panchishkin, John Voight, and Wadim Zudilin, *Special hypergeometric motives and their L-functions: Asai recognition*, Exp. Math. **31** (2022), no. 4, 1278–1290.