

ERRATUM

Erratum: Reminder of Jaynes' views on two key  
issues of Gibbsian statistical mechanics (2025  
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## ERRATUM

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10 March 2026Erratum: Reminder of Jaynes' views on two key issues of Gibbsian statistical mechanics (2025 *Eur. J. Phys.* **46** 065103)

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E-mail: [enda.mcglynn@dcu.ie](mailto:enda.mcglynn@dcu.ie)**Abstract**

In the article 'Reminder of Jaynes' views on two key issues of Gibbsian statistical mechanics (McGlynn 2025 *Eur. J. Phys.* **46** 065103)' there is a small error in equation (A4) in the appendix, as indicated below, and a slight change to the text below equation (A12) in the appendix.

In the appendix of the published paper equation (A4) appears as:

$$\int \dots \int e^{\eta_{\text{system}}} dp_1 1, \dots, dp_m, dq_1, \dots, dq_m. \quad (\text{A4})$$

The extra '1' after 'dp<sub>1</sub>' in the integral (highlighted in yellow above) is incorrect and the equation should be:

$$\int \dots \int e^{\eta_{\text{system}}} dp_1, \dots, dp_m, dq_1, \dots, dq_m. \quad (\text{A4})$$

Also, in the appendix just under equation (A12), the first part of the sentence immediately below equation (A12) appears as:

Gibbs wishes to show that the sum of the average values of the probability distributions of the system and reservoir ensembles...

This text should refer to the average values of the indices of probability of the probability distributions, rather than to the average values of the probability distributions, and should be:

Gibbs' presentation is intended to demonstrate mathematically that the sum of the average values of the indices of probability of the probability distributions of the system and reservoir ensembles...