Erratum: Geometric Approach to Predator-Prey Model with Carrying Capacity on Prey Population

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Abstract

This erratum addresses inaccuracies found in the figure captions of the article titled "Geometric Approach to Predator-Prey Model with Carrying Capacity on Prey Population" [Marshellino, Tasman, H. and Rusin, R., Communication in Biomathematical Sciences, 7(2), pp. 162-176, 2024].

Keywords: Predator-prey, geometric singular perturbation theory, fast-slow system, entry-exit function

2020 MSC classification number: 37N25, 37D10, 34E15, 37M05

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The following corrections are made to improve the accuracy and clarity of the figure descriptions

1) The original caption of Figure 2 in [1] should be replaced with "Visualization of the entry-exit mapping on the line $x = x_0$. The blue-colored line segment represents C^- and the red-colored segment represents C^+ (Adapted from [2])."

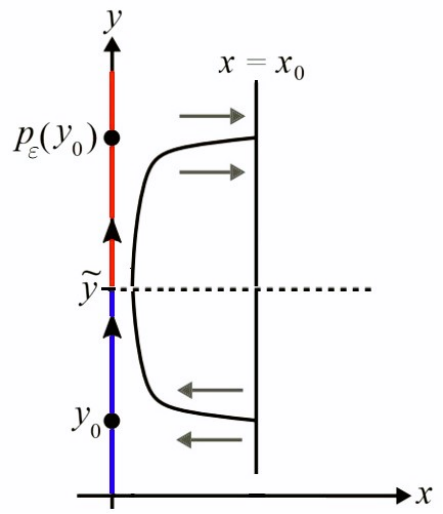

Figure 2: Visualization of the entry-exit mapping on the line $x = x_0$. The blue-colored line segment represents C^-, and the red-colored segment represents C^+ (Adapted from [2]).

2) The original caption of Figure 4 in [1] should be replaced with "Sketch of Π_1 and Π_2 (Adapted from [2])".

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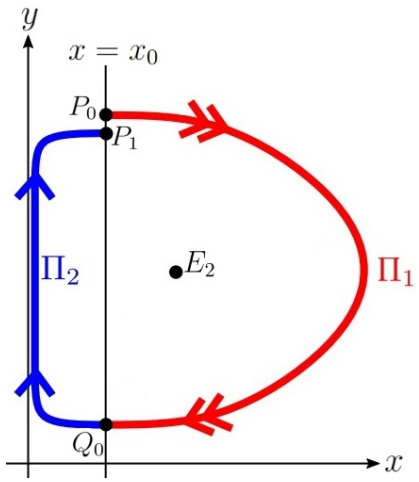

Figure 4: Sketch of Π_1 and Π_2 (Adapted from [2]).

REFERENCES

[1] Marshellino, Tasman, H. and Rusin, R., Geometric approach to predator-prey model with carrying capacity on prey population, Communication in Biomathematical Sciences, 7(2), pp. 162-176, 2024.

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