# Flexible Modelling of Diel and Other Periodic Variation in Hidden Markov Models

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## 1. Introduction



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# 2. Trigonometric Modelling



# 3. Cyclic Splines Modelling



3. Cyclic Splines Modelling



## 4. Estimation



## **Estimation**

#### 5. Conclusions



## Conclusions



# Bibliografy

Carlina C. Feldmann, Sina Mews, Angelica Coculla, Ralf Stanewsky & Roland Langrock (2023), 'Flexible Modelling of Diel and Other Periodic Variation in Hidden Markov Models', Journal of Statistical Theory and Practice, 17:45.

Thank you!



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