

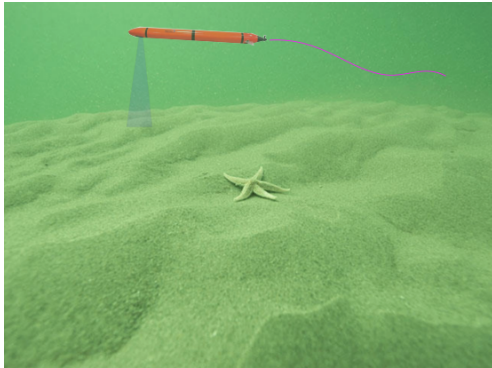
Des nouvelles du fond Simultaneous Localization and Mapping

Luc Jaulin

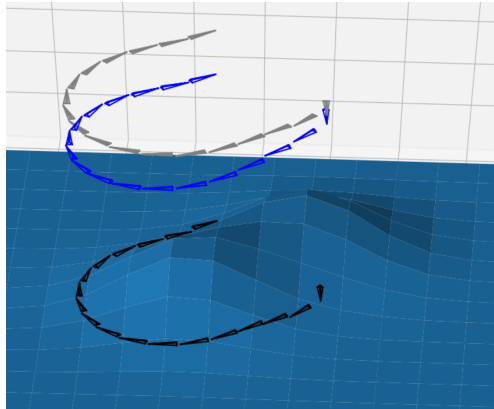


2025, 7 Novembre, Des abysses aux étoiles, Toulon

1. Savoir explorer sans se perdre



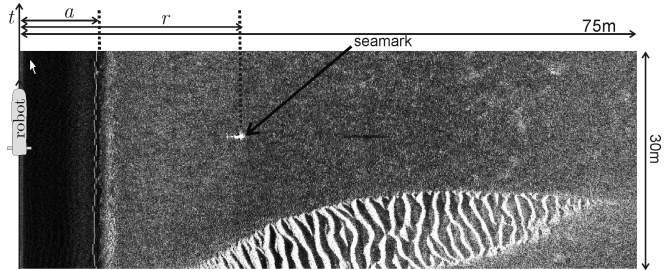
2. Possibilité de trouver des routes

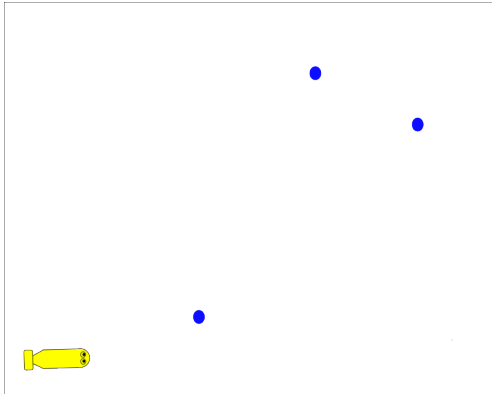


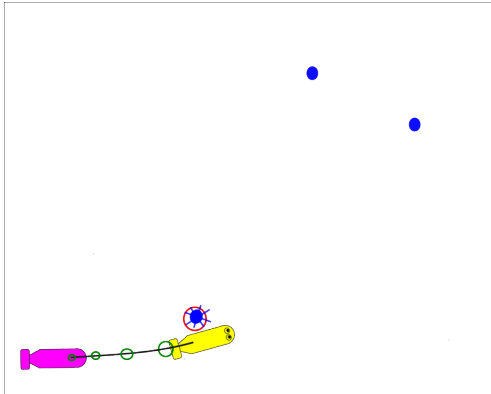
Mais il existe également des

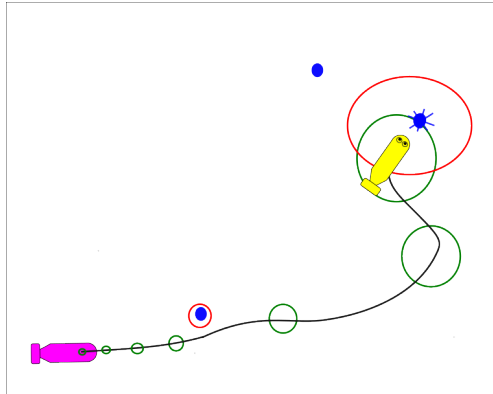
- routes magnétiques
- routes inertielles
- routes thermiques
- routes sonores

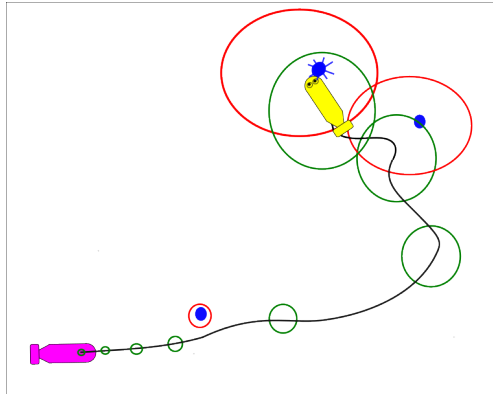
3. SLAM (Simultaneous Localization and Mapping)

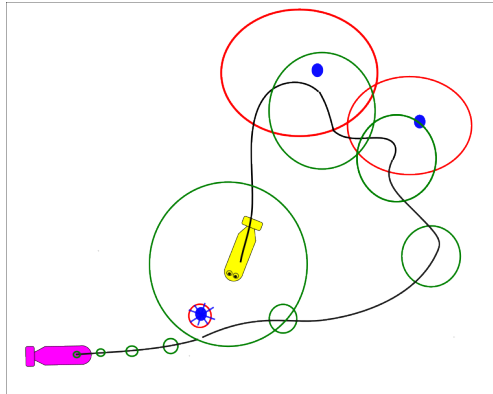


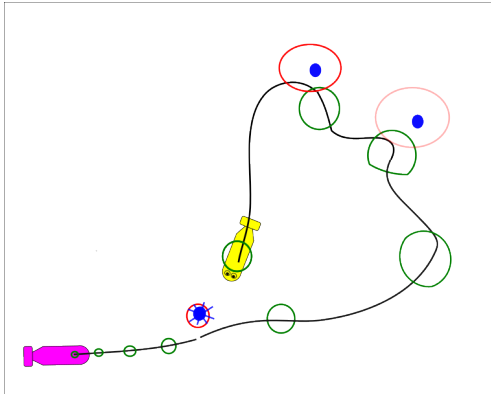












References

- ① Exploration par cycles: [1]
- ② Naviguer comme des polynésiens [3]
- ③ SLAM: [4][2]



Q. Brateau, L. Degorre, F. L. Bars, and L. Jaulin.
Proving the stability of cycle navigation using capture sets.
Mechatronics, 110:103385, 2025.



L. Jaulin.
La Robotique Mobile, Cours et Exercices.
ISTE, 2015.



L. Jaulin.
Naviguer comme les polynésiens.
Interstices, 2019.



S. Thrun, W. Burgard, and D. Fox.
Probabilistic Robotics.
MIT Press, Cambridge, M.A., 2005.