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ENAC



Plan

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- 3 Borne inférieure de la probabilité de bonne réception du fichier et reformulation du problème
- 4 Proposition de conception de trajectoire
- **5** Résultats numériques
- **6** Conclusion





- Bullets that
 - one
 - 1 two



- Bullets that
 - one
 - 1 two
- 2 Come up
 - One
 - 2 two and three



- Bullets that
 - one
 - 1 two
- 2 Come up
 - One
 - 2 two and three
- One by one
 - 3 one
 - 3 two



Equations

Equations are easy

Just copy/paste equations



Equations

Equations are easy

- Just copy/paste equations
- From the paper!

$$\boldsymbol{p}^* = \underset{\boldsymbol{p}}{\text{argmin}} \ \sum_{\boldsymbol{x}} \left[\textit{I}(\boldsymbol{W}(\boldsymbol{x};\boldsymbol{p})) - \textit{T}(\boldsymbol{x}) \right]^2$$

Borne inférieure de la probabilité de bonne réception du fichier et reformulation du



problème

Equations

Equations are easy

Just copy/paste equations



problème

Equations

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- Just copy/paste equations
- From the paper!

$$\boldsymbol{p}^* = \underset{\boldsymbol{p}}{\mathsf{argmin}} \ \sum_{\boldsymbol{x}} \left[\textit{I}(\boldsymbol{W}(\boldsymbol{x};\boldsymbol{p})) - \textit{T}(\boldsymbol{x}) \right]^2$$



Pictures



Figure – Kissing ducks



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Credits

This paper studied the trajectory design problem for a UAV-enabled multicasting system to minimize the mission completion time, while ensuring that each GT is able to successfully recover the file with a high target probability. We first converted the formulated optimization problem into a more tractable form based on the derived analytical lower bound of the successful file recovery probability, so that its complicated constraint for each GT is simplified to one on its minimum connection time with the UAV. We showed that the optimal UAV trajectory only needs to constitute connected line segments, which can be determined by finding the optimal set of waypoints and then the optimal speed over time along the path connecting the waypoints. We proposed two practical waypoints design schemes and applied the LP to find the optimal traveling speed given waypoints

0

Conclusion



Questions





First appendix

Conclusion



Second appendix