Visualizing current scoring and the difference due to proposal 2017_8.1.5 (2016_8.1.4_v1)

Competitor's Score for the Day

Score = Points × Factors

$\sum$ Distance
Speed

$\prod$ Competition Day
Day Factor
Completion Ratio (prop.)

For the day winner:
Maximum Day Score

Winner's Score for the Day

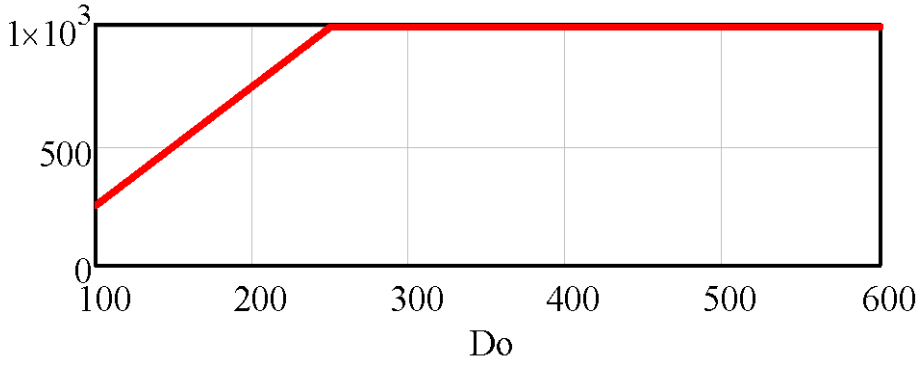
$$\text{Score} = \text{Max\_Day\_Score} \times \text{Factors}$$

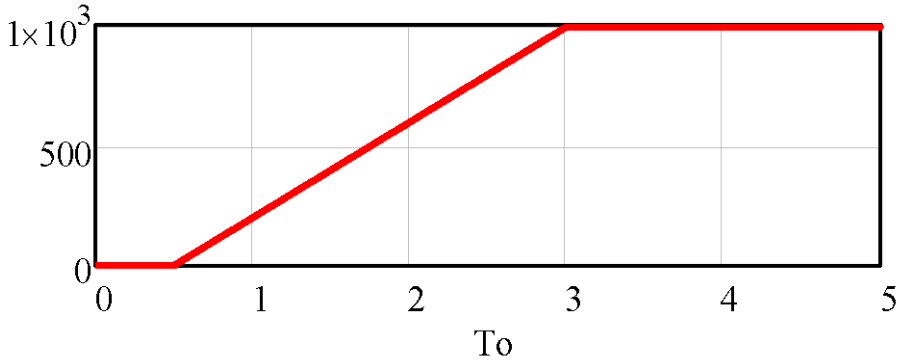
Π
- Competition Day
- Day Factor
- Completion Ratio (prop.)

Max_Day_Score

Affected by - max. achieved distance
- shortest achieved time

Max. 1000 points

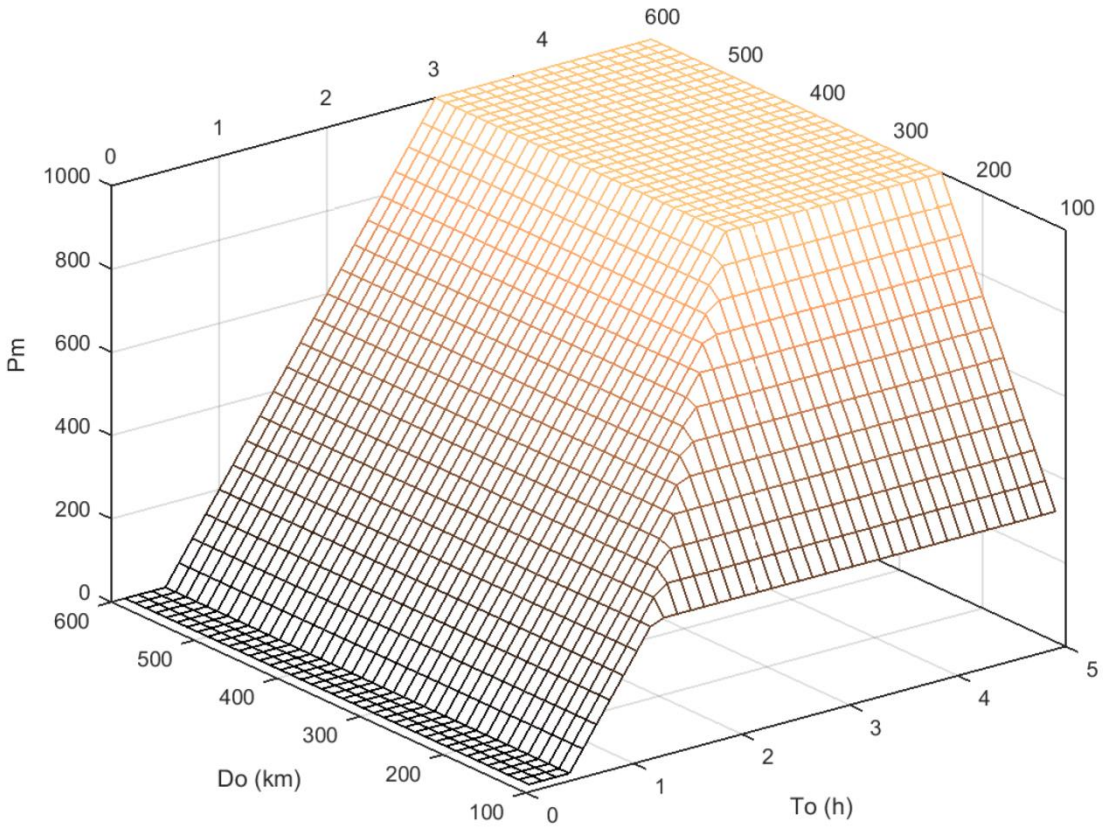




Max_Day_Score

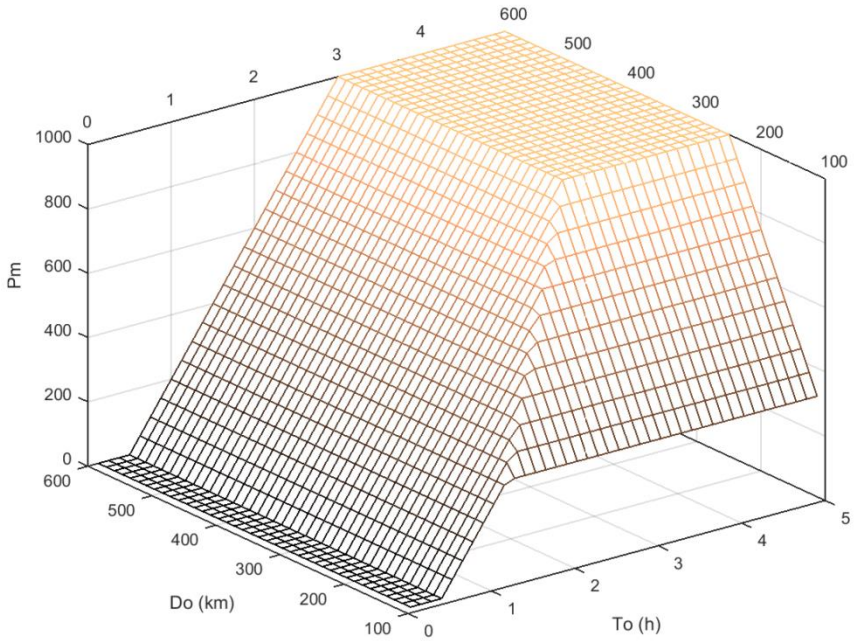
Affected by - max. achieved distance
- shortest achieved time

Max. 1000 points



Winner's Score for the Day

$$\text{Score} = \text{Max\_Day\_Score} \times \text{Factors}$$

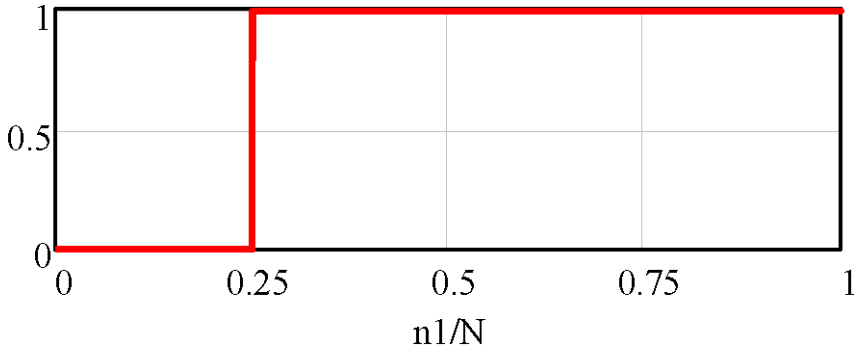


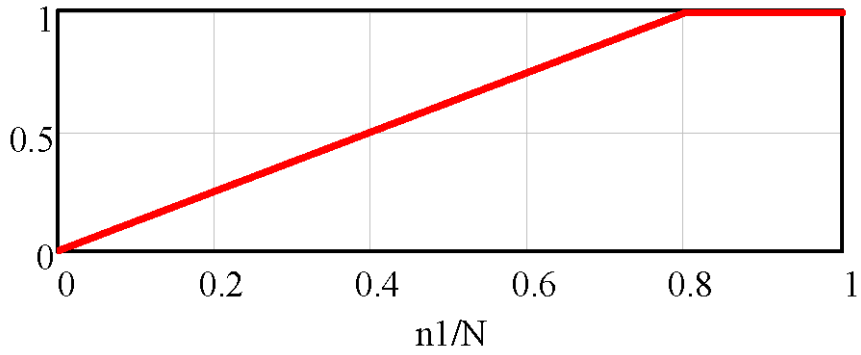
Π
- Competition Day
- Day Factor
- Completion Ratio (prop.)

Factors: currently

- Competition Day
- Day Factor

Max. 1



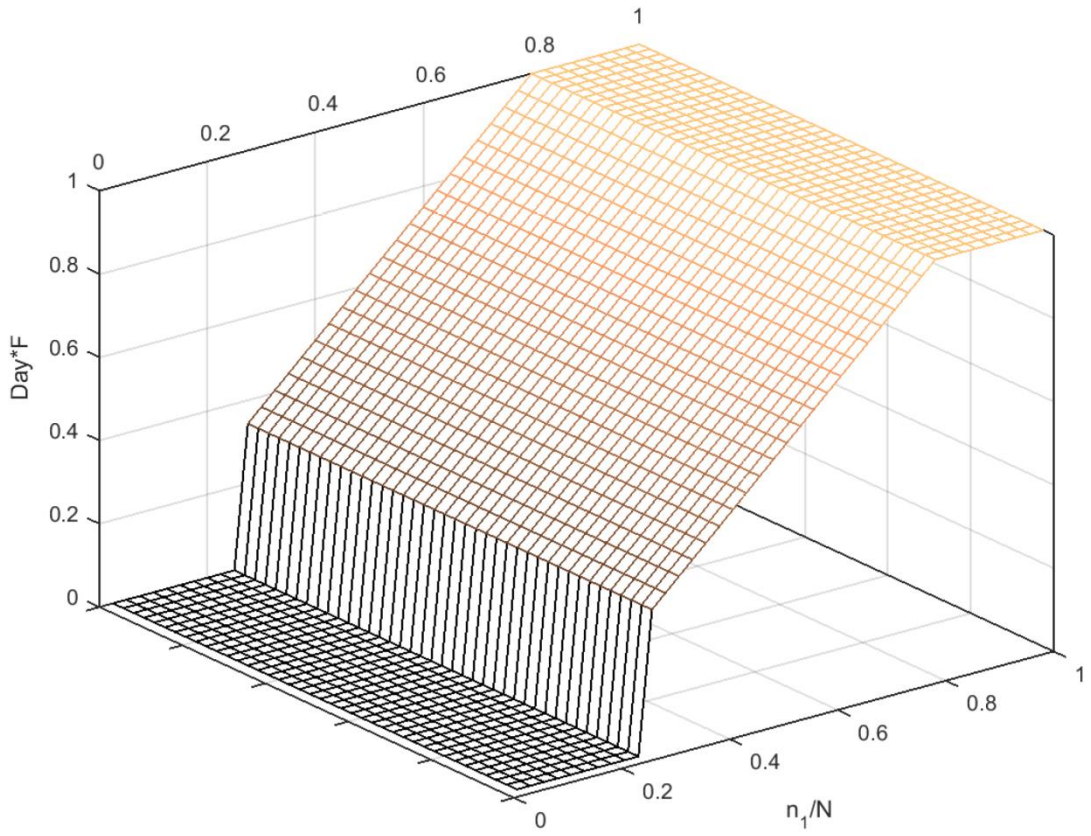


n1 : # pilots who achieved ≥ 100 km
N : # pilots who launched

Factors: currently

- Competition Day
- Day Factor

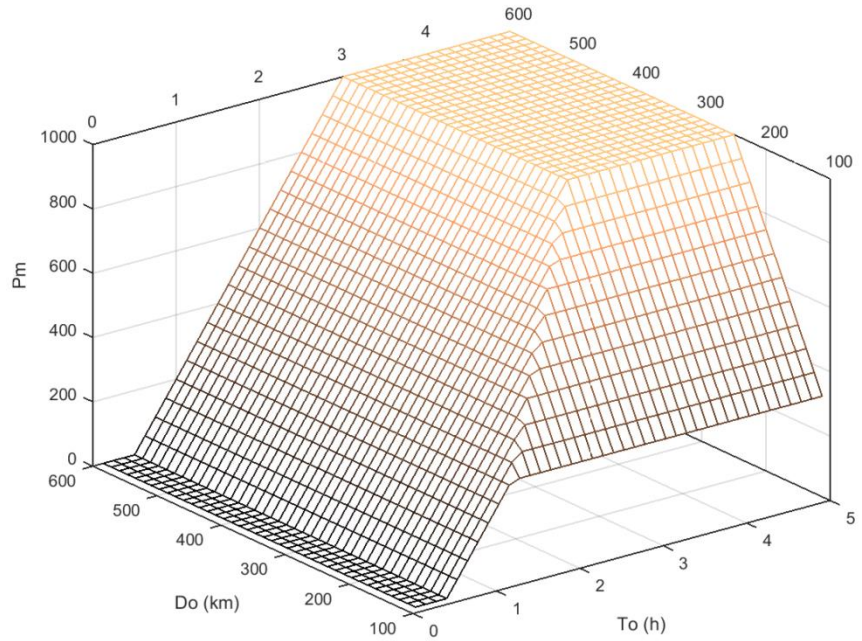
Max. 1

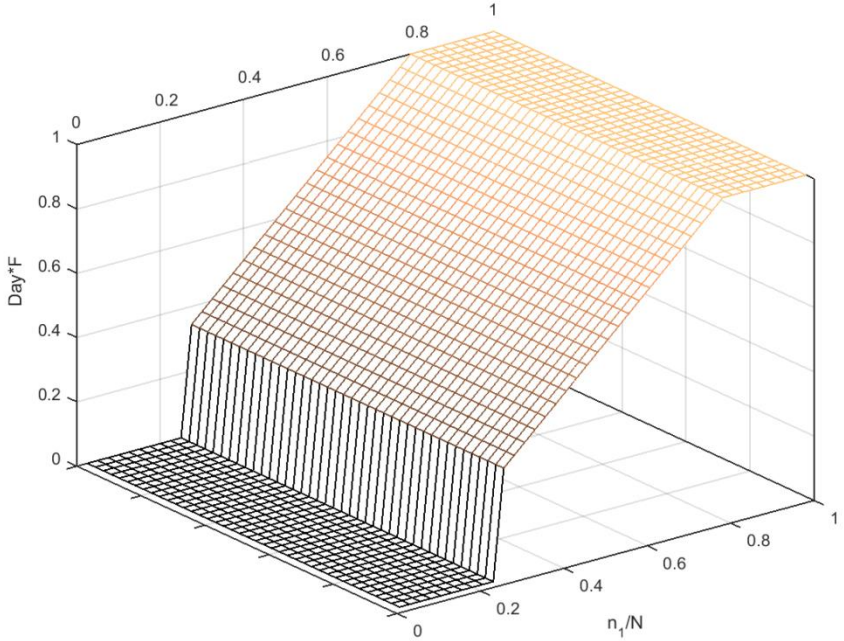


n1 : # pilots who achieved ≥ 100 km
N : # pilots who launched

Winner's Score for the Day: currently

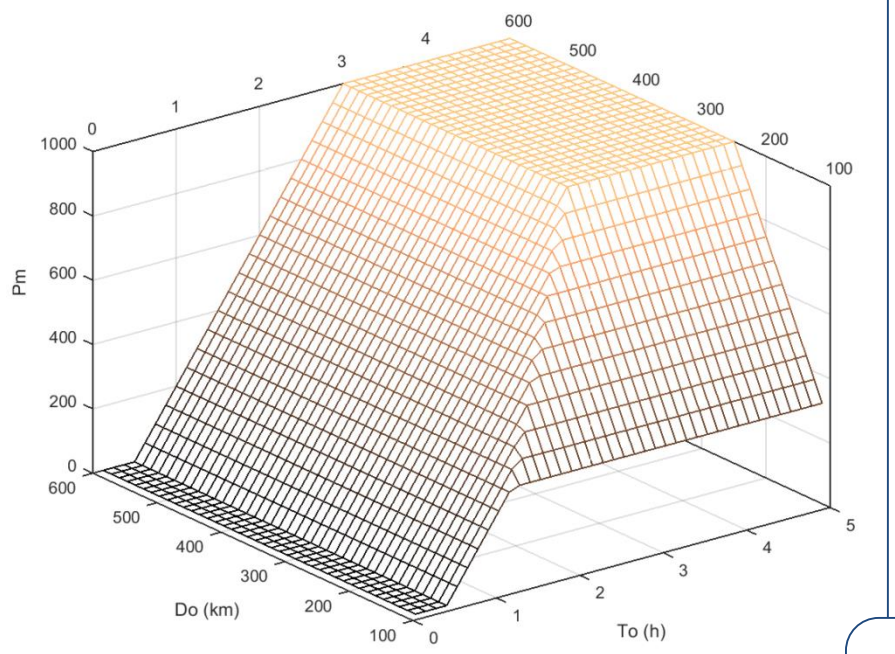
Score = Max_Day_Score × Factors

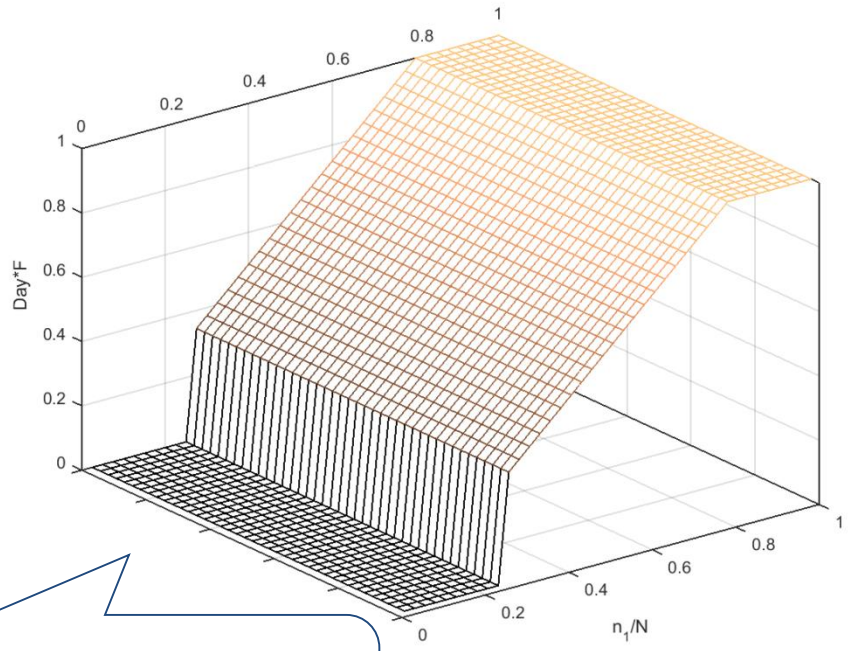




Winner's Score for the Day: proposal

Score = Max_Day_Score × Factors



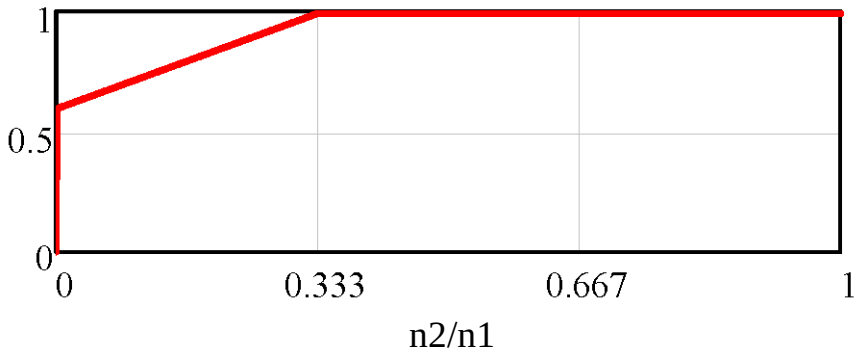


Devaluation for low Completion Ratio

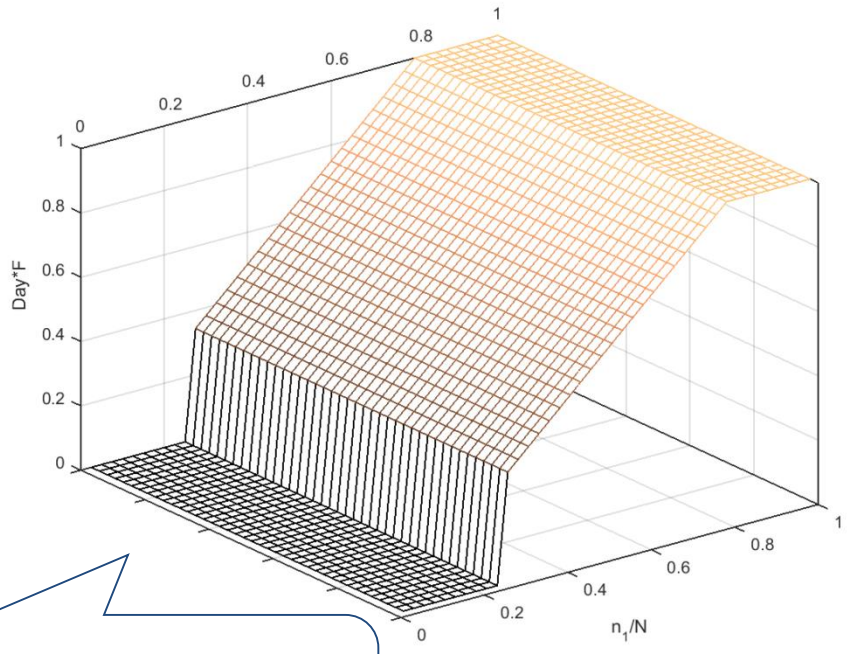
Winner's Score for the Day: proposal

Score = Max_Day_Score × Factors

Utilizing existing scoring variables :



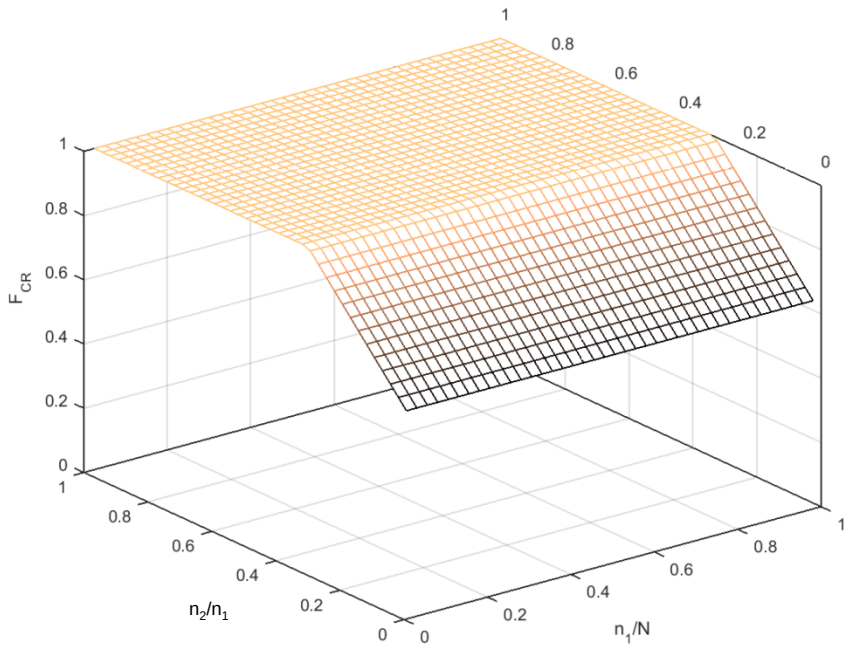
n1 : # pilots who achieved ≥ 100 km
n2 : # pilots with speed > 2/3 Vo

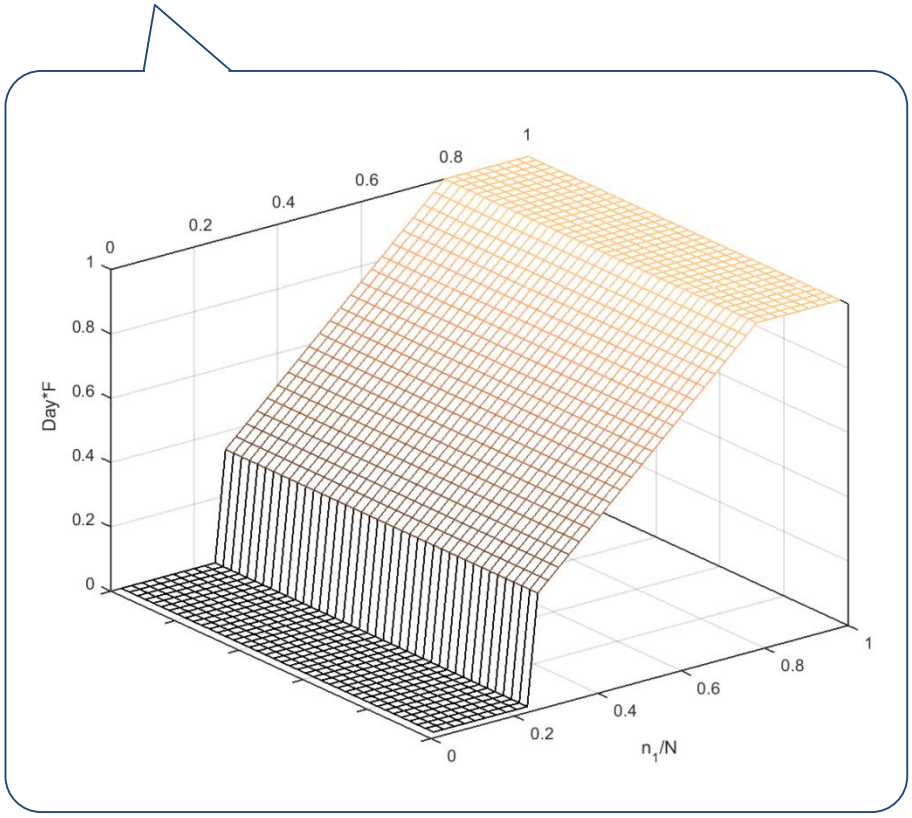


Devaluation for low Completion Ratio

Winner's Score for the Day: proposal

Score = Max_Day_Score × Factors



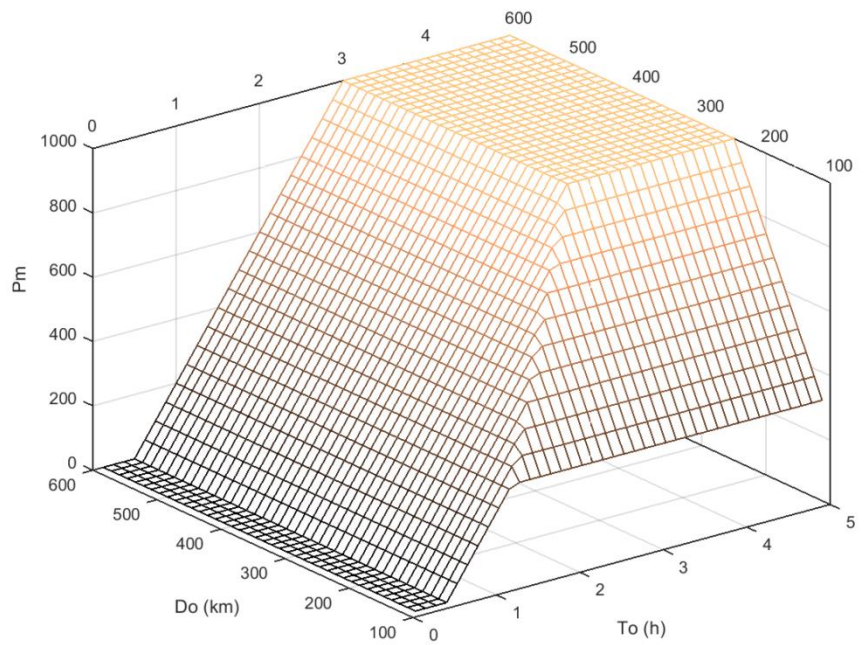


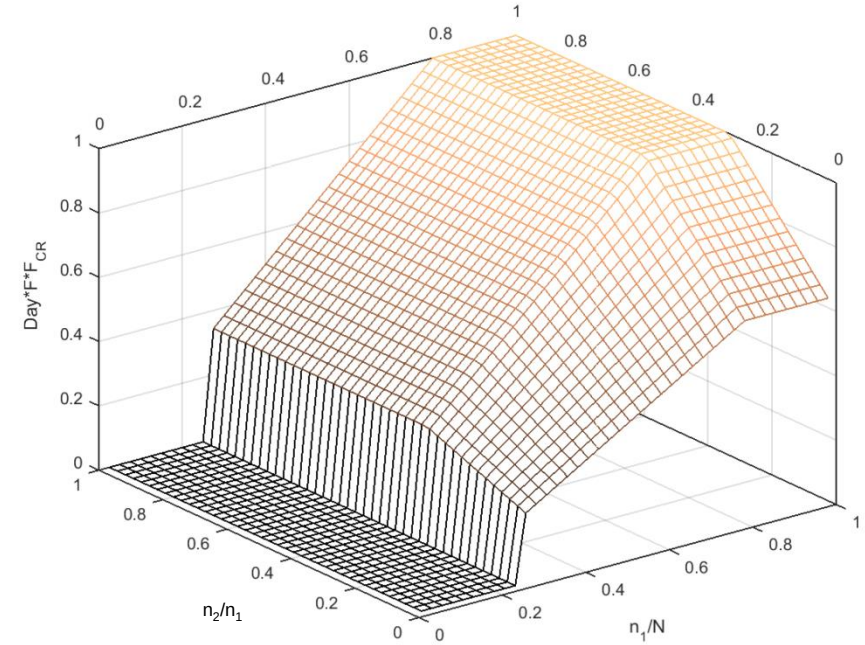
n1 : # pilots who achieved ≥ 100 km

n2 : # pilots with speed > 2/3 Vo

Winner's Score for the Day: proposal

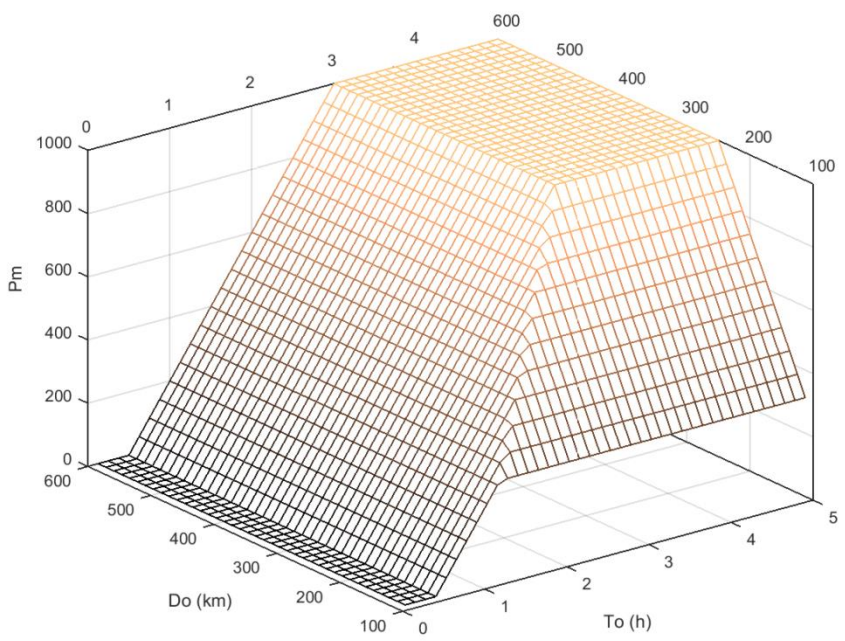
Score = Max_Day_Score × Factors

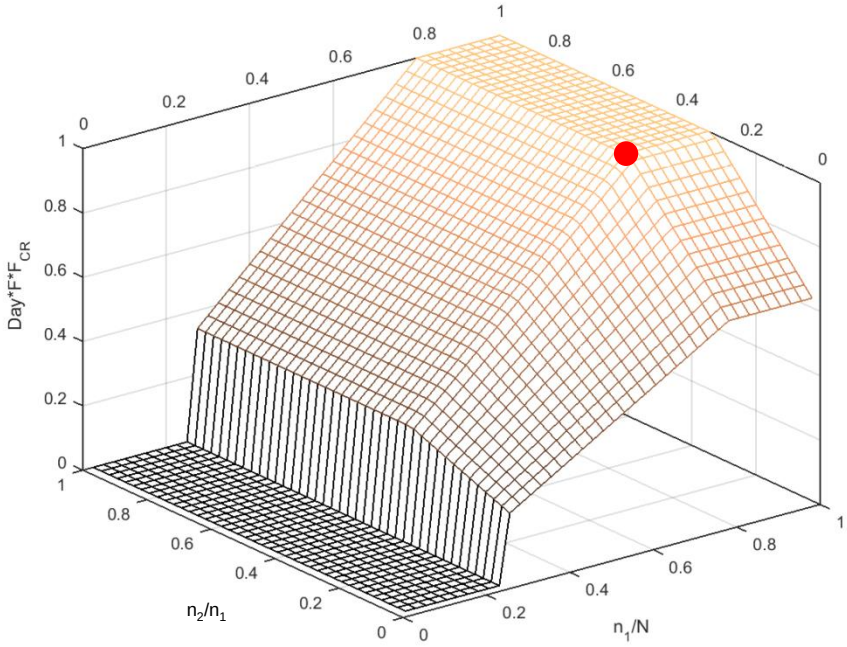




Winner's Score for the Day: effect of the proposal

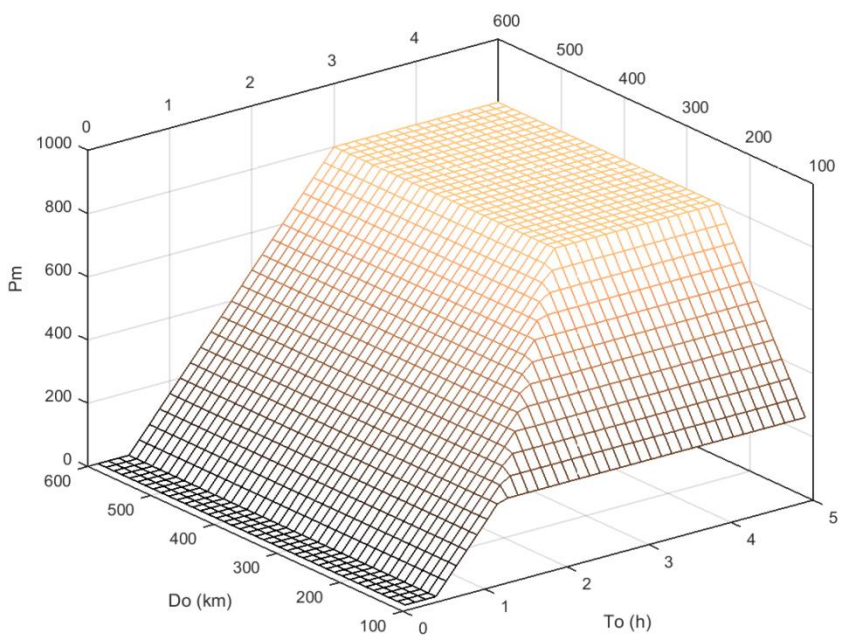
Score = Max_Day_Score × Factors

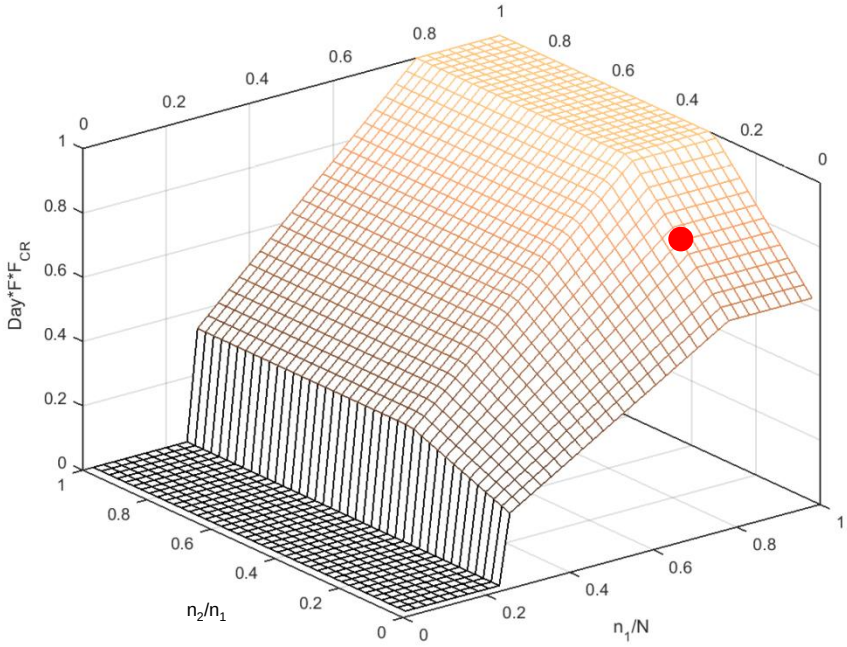




Winner's Score for the Day: effect of the proposal

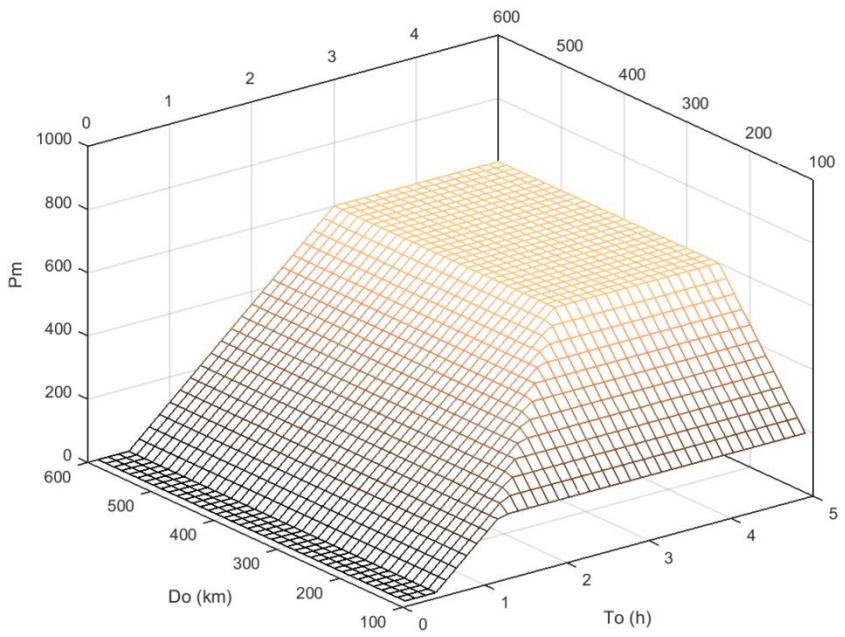
Score = Max_Day_Score × Factors

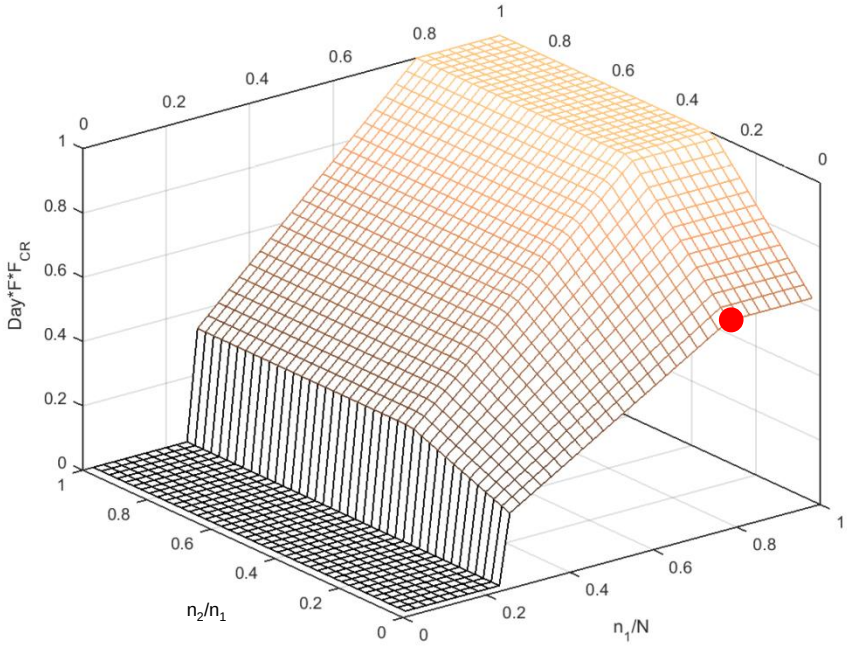




Winner's Score for the Day: effect of the proposal

Score = Max_Day_Score × Factors

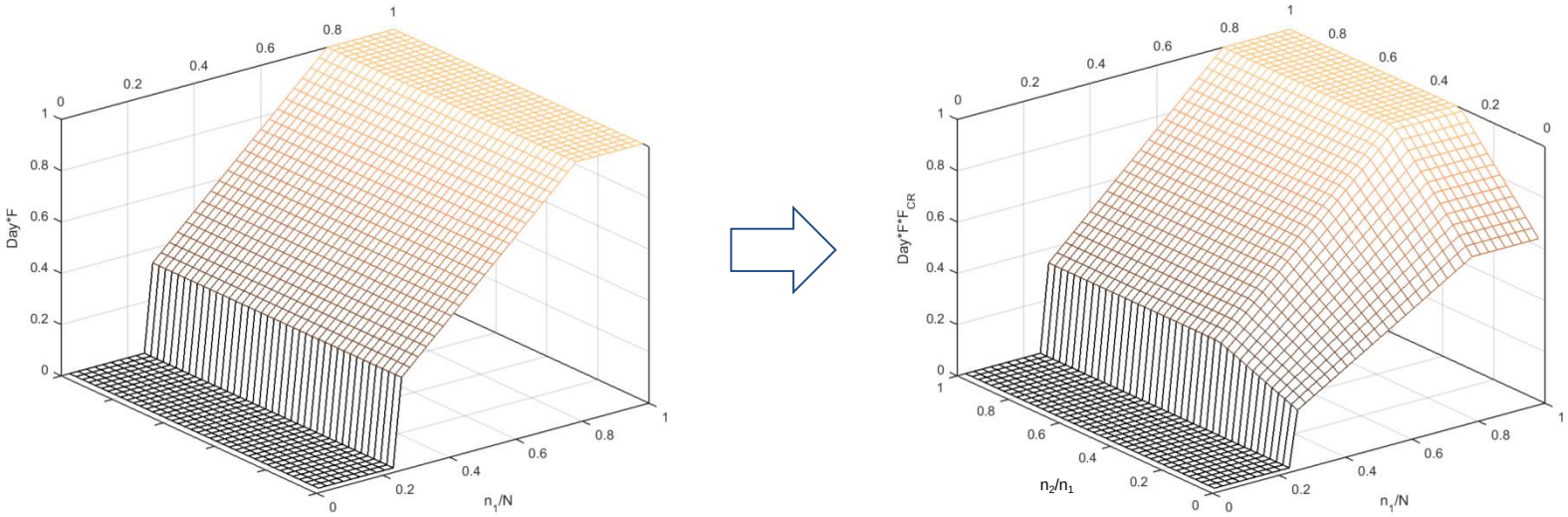




Competitor's Score for the Day

Score = Points × Factors

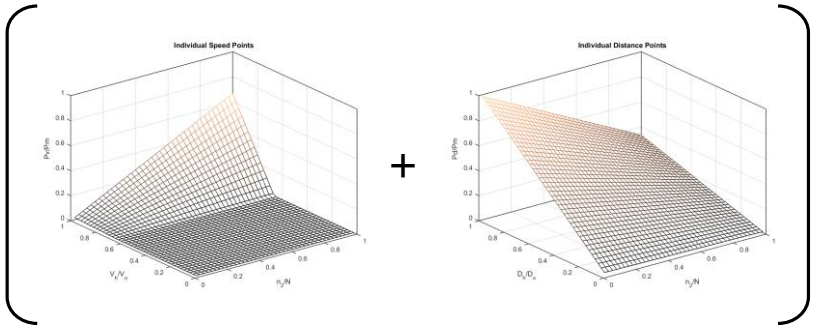
Π
- Competition Day
- Day Factor
- Completion Ratio (prop.)



Competitor's Score for the Day

Score = (%Speed_Points + %Distance_Points) × Max_Day_Score × Factors

=



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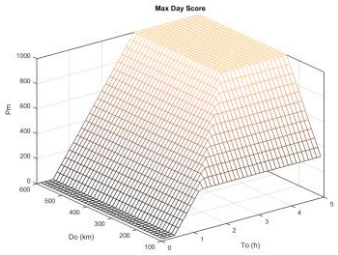

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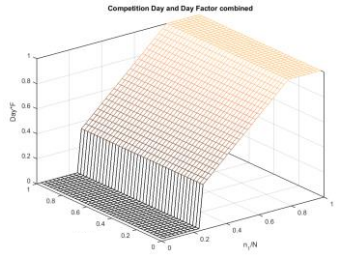

Proposal
8.1.5-2017

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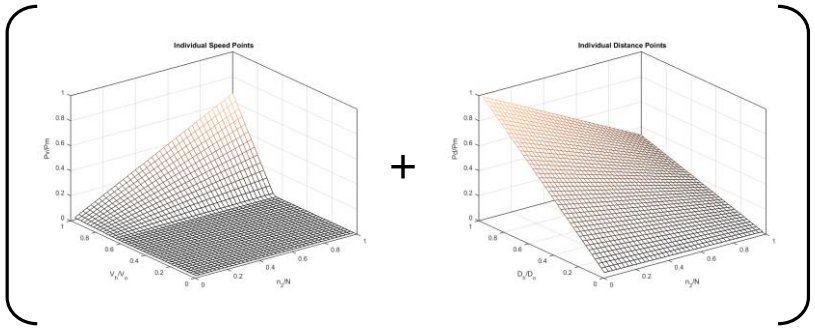

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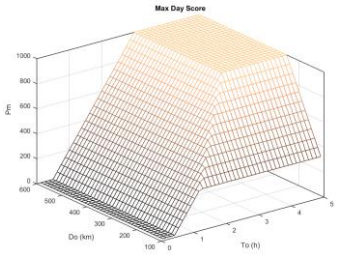

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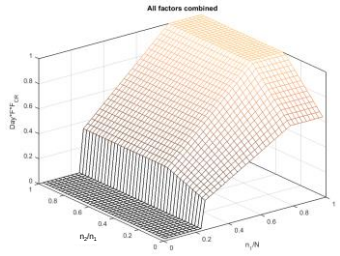

Utilizing existing variables!