Otimização de Viagens em Companhias Aéreas Brasileiras

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Introdução

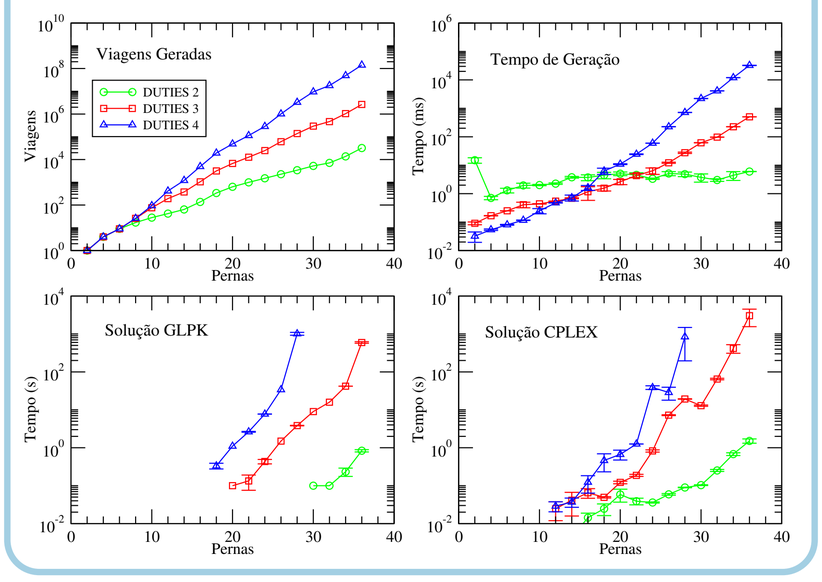
Formulação

Geração de Viagens

Referencias

[1]

Análise Preliminar



Busca Local

for *Blur and regularisation values* **do**
  Initialize q, q_{best} and κ
  repeat
    Calculate $\Delta p\tilde{F}(q,0)$, $F(q)$
    if $F(q) < F(q_{best})$ **then**
      $q_{\text{best}} \leftarrow q$
      Increase κ
    else
      if κ *smaller than threshold* **then**
        return
      decrease κ
    Calculate p from $\Delta p\tilde{F}(q_{best}, p)$ and κ
    $q \leftarrow C \circ q, p$
  until *converged*

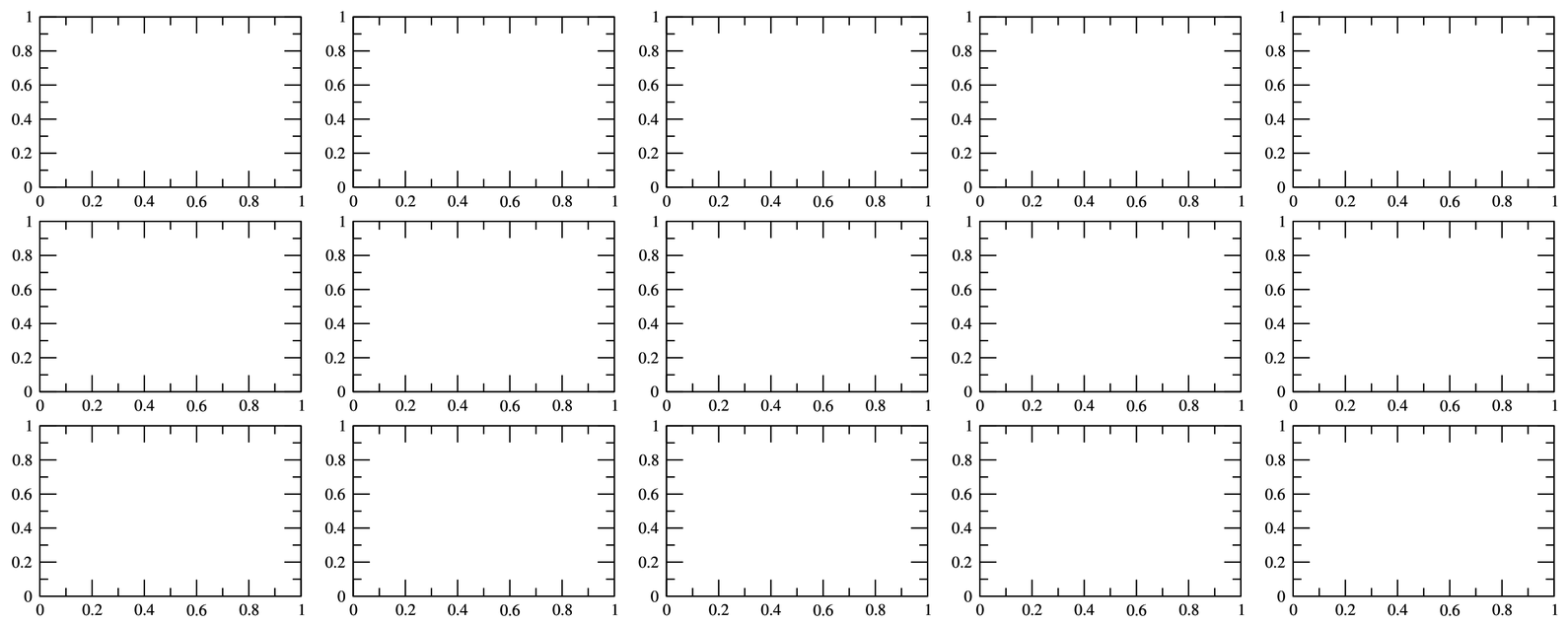
Algoritmo Genético

for *Blur and regularisation values* **do**
  Initialize q, q_{best} and κ
  repeat
    Calculate $\Delta p\tilde{F}(q,0)$, $F(q)$
    if $F(q) < F(q_{best})$ **then**
      $q_{\text{best}} \leftarrow q$
      Increase κ
    else
      if κ *smaller than threshold* **then**
        return
      decrease κ
    Calculate p from $\Delta p\tilde{F}(q_{best}, p)$ and κ
    $q \leftarrow C \circ q, p$
  until *converged*

Geração de Colunas

for *Blur and regularisation values* **do**
  Initialize q, q_{best} and κ
  repeat
    Calculate $\Delta p\tilde{F}(q,0)$, $F(q)$
    if $F(q) < F(q_{best})$ **then**
      $q_{\text{best}} \leftarrow q$
      Increase κ
    else
      if κ *smaller than threshold* **then**
        return
      decrease κ
    Calculate p from $\Delta p\tilde{F}(q_{best}, p)$ and κ
    $q \leftarrow C \circ q, p$
  until *converged*

Resultados



Conclusões