

Práctica Electiva

Redes MLP y recurrentes para estimar el precondicionador Simplex en problemas de optimización continua

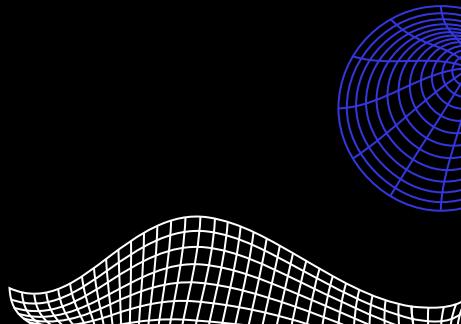
Profesor: Victor Reyes
Estudiante: Joaquín Fernández

Contenidos de esta presentación



Avances:

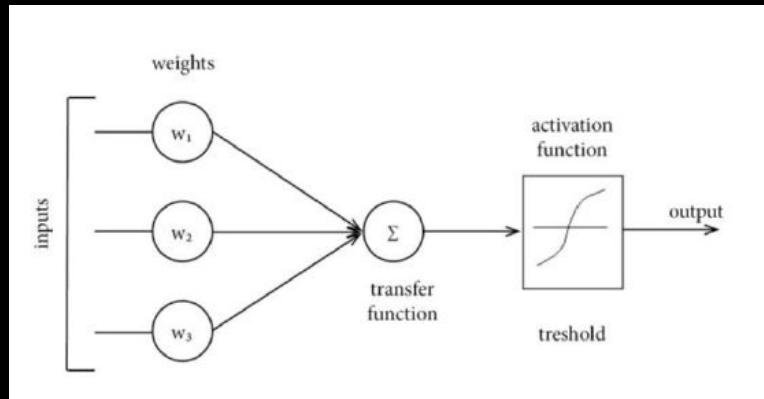
1. Documentación y estado del Arte.
 - a. Anteproyecto Nicolás Calderón.
 - b. Interval Branch-and-Bound algorithms for optimization and constraint satisfaction: a survey and prospects by Ignacio Araya & Victor Reyes.
 - c. The Simplex-simulated Annealing Approach To Continous Non-Linear Optimization by Margarida F. Cardoso, R. L. Salcedot and S. Feyo De Acevedo.
2. Reuniones con profesor y Memorista (Introduciendo contexto del tema a investigar).
3. Conociendo la herramienta Ibex.
4. Instalación y creación de ambiente de pruebas.
5. **Demo.**
6. Primeras conclusiones.



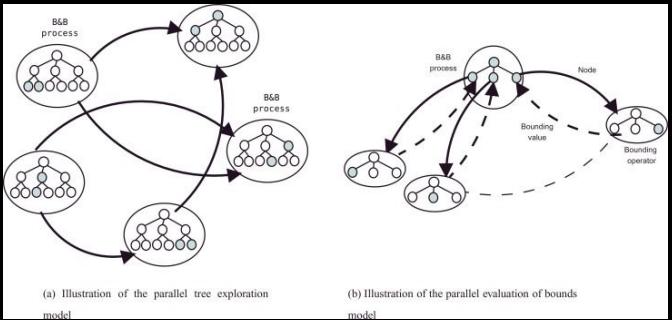
01.a

Anteproyecto Nicolás Calderón

- Branch and Bound (B & B).
- Modelos No Lineales.
- Dominios Continuos.
- Simplex.
- MLP.



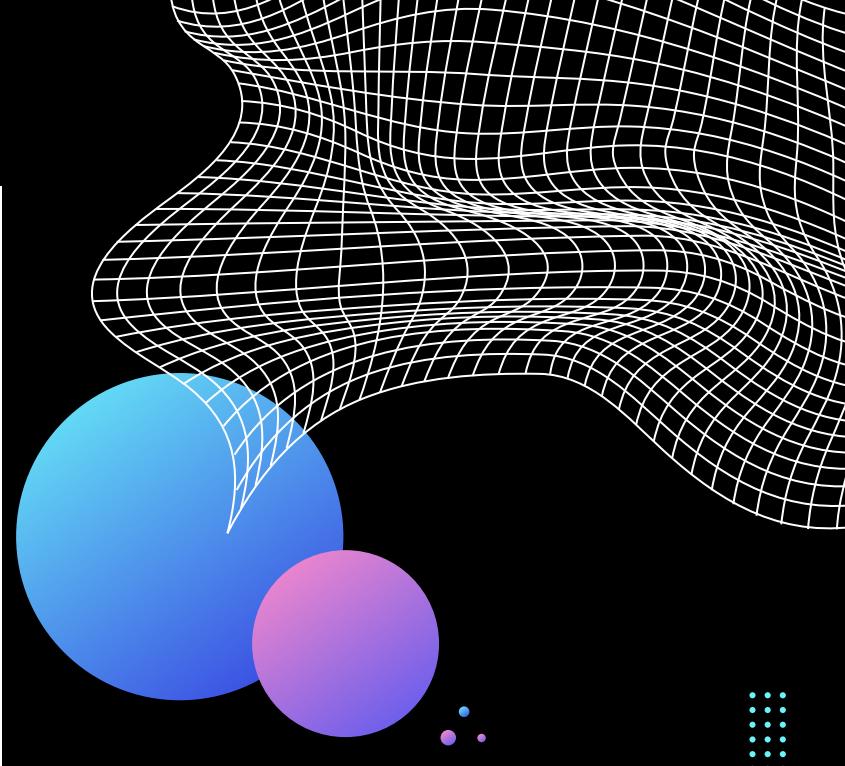
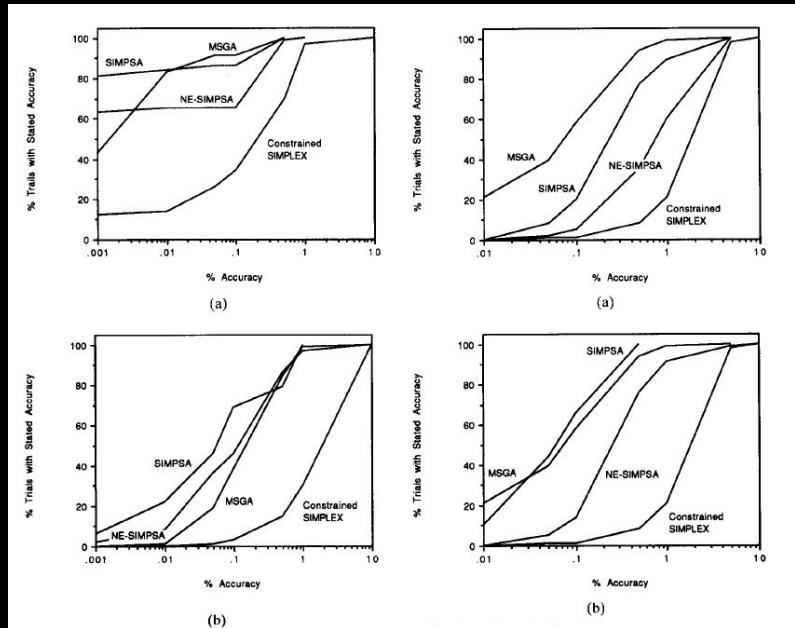
01.b



Interval Branch-and-Bound algorithms for optimization and constraint satisfaction: a survey and prospects por Ignacio Araya y Victor Reyes



01.c



∴ ***The Simplex-simulated Annealing Approach To Continuous Non-Linear Optimization by Margarida F. Cardoso, R. L. Salcedot and S. Feyo De Acevedo.***

02

Reunión



03

Ibex

<http://www.ibex-lib.org>



ibex-team/ibex-lib

IBEX is a C++ library for constraint processing over real numbers.



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Contributors

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Issues

9
Discussions

58
Stars

47
Forks

- + x

04

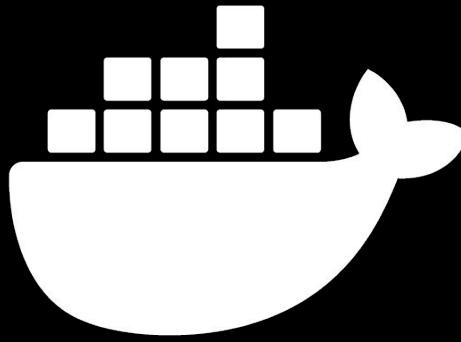
Instalación



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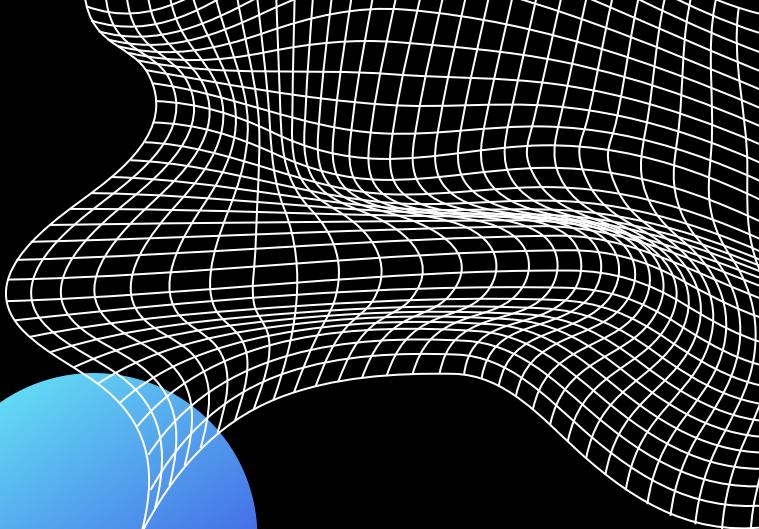
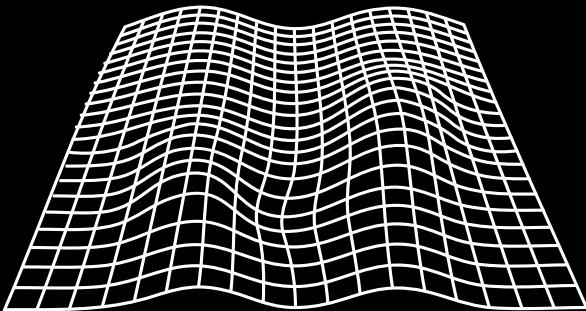
```
1  version: '3.7'  
2  
3  services:  
4    app:  
5      image: app  
6      build: ./back  
7      container_name: app  
8      ports:  
9        - 81:8000  
10     #make a volumes for an entire folder of cpp files  
11     # volumes:  
12     #   - ./back:/app&ibex-lib/examples  
13     #make still runing container  
14     stdin_open: true  
15     tty: true  
16     #make a container restart when it stops  
17     restart: always  
18     #make a container run in background  
19     command: /bin/bash -c "while true; do sleep 1; done"
```

# 05 *Demo*

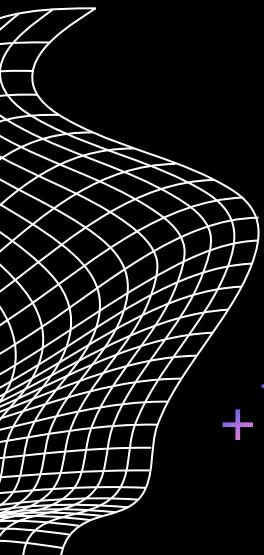
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# 06 Conclusiones



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