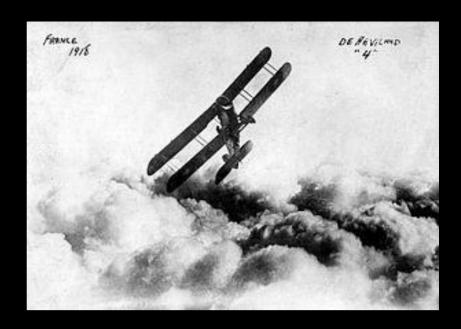


Don't Stay Behind!

Evolution of Jets' Analysis and Simulation



C4dynamics



Airco DH.4

British two-seat bomber

- Physical testing
- Visual observation





Lockheed P-80 Shooting Star First USA jet fighter

- First computer-based calculations:
- Digital Differential Analyzer (DDA).
- Written in Assembly.





McDonnell Douglas F-4 Phantom II

American jet interceptor and fighterbomber

- MIT Flight Control Analysis Program
- Simulation of wide range of flight conditions.
- Fortran





General dynamics F-16 Fighting Falcon

American single-engine multirole fighter

- General Dynamics EFS (Engineering Flight Simulator)
- Air-to-Air combat simulation
- Assembly & Fortran





Lockheed Martin F-35 Lightning II

American single-engine multirole combat aircraft

Performance Analysis:

- DFCS (Digital Flight Control System)
- Complex mission scenarios
- C & C++ & Python & MATLAB

C4dynamics

2023

Complete 6 Degrees-of-Freedom simulation with a single python framework

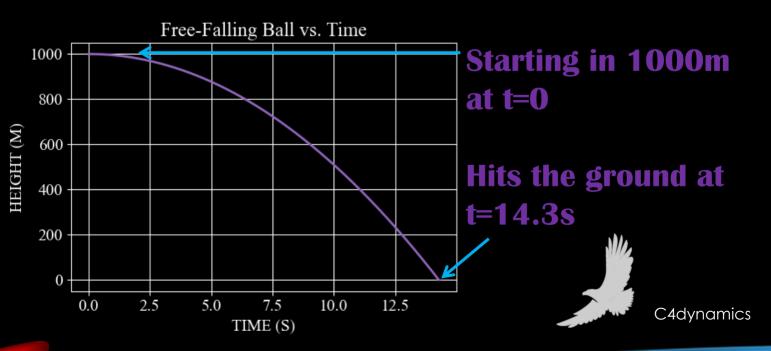


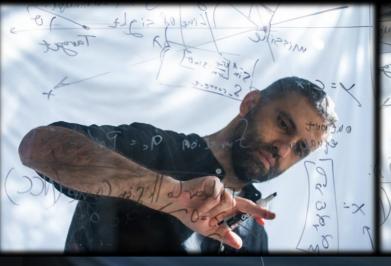
Want to make fun while developing cool algorithms for physical systems too?

Download <u>now</u> C4dynamics and run dof6sim.ipynb. Follow the instructions there.

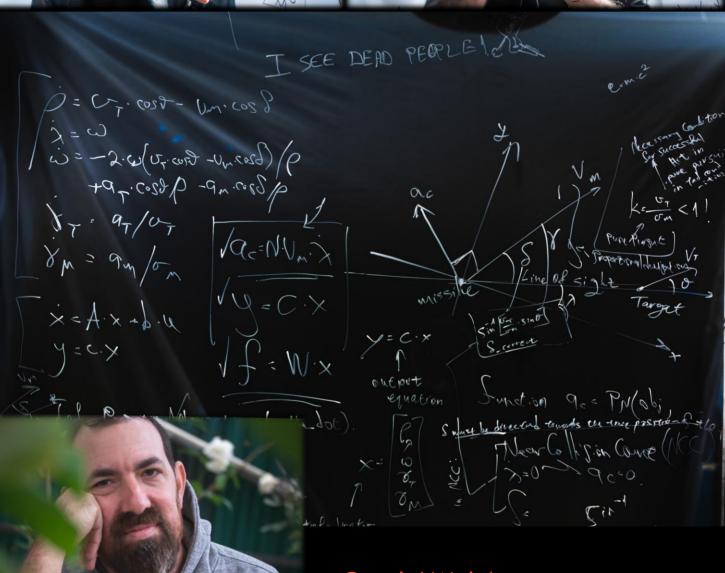
https://github.com/C4dynamics/C4dynamics/blob/main/examples/freefall.py

C4dynamics is a cutting-edge, high-standard algorithms development framework.









Gavriel Weinberger

Visual Content Creator



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