

SAVE MONEY & TIME: IDENTIFY YOUR ALGORITHM CASE



C4dynamics

	Data System	Physical Systems
Data Source	Websites & Databases	Seekers & Sensors
Algorithms Objective	Provide insights Predict trends	Motion prediction Motion control
Applications	Desktop and mobile apps	Autonomous systems
AI	Large Language Models	Reinforcement Learning



Deep dive in...



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DATA SOURCE

Data Systems

- Text and information from:
- Websites
- Lists and databases
- Surveys

Physical Systems

- Signals from:
- Optical devices
- Radars
- IMU and GPS
- Lasers and Lidars



OBJECTIVES

Data Systems

- Provide insights
- Predict trends, patterns, and correlations
- Automate tasks
- Make decisions

Physical systems

- Predict motion
- Control motion



APPLICATIONS

Data Systems

- Software and applications of:
- Data analytics
- Automating tasks
- Decision making
- Search engines

Physical systems

- Autonomous systems:
- Vehicles
- Robotics
- Weapons



ALGORITHMS

Data Systems

- Regression analysis
- Decision trees
- K-means clustering

Physical systems

- Filters & Trackers
- Path planners
- Controllers



AI GROWTH

Data Systems

- Content generation using unsupervised learning

Physical systems

- Real-time dynamics modelling using Reinforcement networks
- Object and motion detection



DEPLOYMENT TARGET

Data Systems

- Servers
- Cloud environment
- Desktops

Physical systems

- Embedded systems:
- FPGA
- DSP

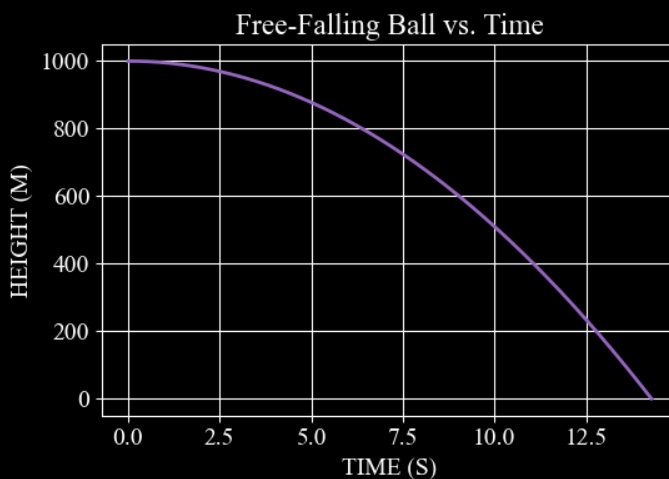


Want to work with cool algorithm framework?

Download now C4dynamics and run freefall.py

Follow the instructions there:

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



C4dynamics

A cutting-edge, high-standard algorithms development framework



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 $\phi \rightarrow m \cdot c^2$

Target

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