

## Efficient Automatic Differentiation of Higher-Order Functions

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**Categories:**

- Computer Technology

**Keywords:**

- AI
- Computer Technology
- Machine Learning
- Software

Researchers at Purdue University have developed methods of Automatic Differentiation (AD) to be applied to both rigid computations and arbitrary computer programs. This technology greatly increases the efficiency of these processes while also reducing the amount of required computer memory, allowing for more complicated deep learning systems.

**Advantages:**

- Efficient
- Versatile

**Potential Applications:**

- Application Programmers
- Machine Learning
- AI

**People:**

- Siskind, Jeffrey M (Project leader)
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**Intellectual Property:**

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