

Automatic Differentiation Primitive Rules

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1. Scalar Addition Pushforward/Jvp rule
2. Scalar Addition Pullback/vJp rule
3. Scalar Multiplication Pushforward/Jvp rule
4. Scalar Multiplication Pullback/vJp rule
5. Scalar Sine Pushforward/Jvp rule
6. Scalar Sine Pullback/vJp rule
7. Broadcasted Function Pushforward/Jvp rule
8. Broadcasted Function Pullback/vJp rule
9. Matrix-Vector product Pushforward/Jvp rule
10. Matrix-Vector product Pullback/vJp rule
11. Scalar Root-Finding Pushforward/Jvp rule
12. Scalar Root-Finding Pullback/vJp rule
13. Matrix-Matrix Product Pushforward/Jvp rule
14. Matrix-Matrix Product Pullback/vJp rule
15. L2 Loss (Least Squares) Pushforward/Jvp rule
16. L2 Loss (Least Squares) Pullback/vJp rule
17. Nonlinear System Solve Pushforward/Jvp rule
18. Nonlinear System Solve Pullback/vJp rule
19. Linear System Solve Pushforward/Jvp rule
20. Linear System Solve Pullback/vJp rule
21. Neural ODEs Pushforward/Jvp rule
22. Neural ODE Pullback/vJp/adjoint rule
23. Softmax Pushforward/Jvp rule

24. Softmax Pullback/vJp rule

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