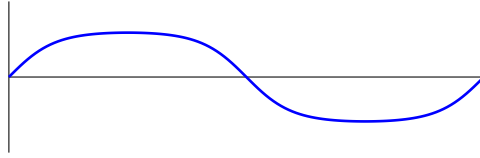


Automatic Differentiation with AD

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1 Function



$$\sin(\sin(\sin(\sin(\sin(\sin(x))))))$$

2 Derivatives

$$0 + 1 * (0 + 1 * (0 + 1 * (0 + 1 * (0 + 1 * (0 + 1 * 1 * \cos x) * \cos(\sin x)) * \cos(\sin(\sin x))) * \cos(\sin(\sin(\sin x))) * \cos(\sin(\sin(\sin(\sin x)))) * \cos(\sin(\sin(\sin(\sin(\sin x))))))$$

$$0 + 1 * (0 + 1 * (0 + 1 * (0 + 1 * (0 + 1 * (0 + 1 * 1 * (0 + 1 * 1 * \text{negate}(\sin x)) * \cos(\sin x) + 1 * (0 + 1 * 1 * \cos x) * (0 + 1 * (0 + 1 * 1 * \cos x) * \text{negate}(\sin(\sin x))) * \cos(\sin(\sin x)) + 1 * (0 + 1 * (0 + 1 * 1 * \cos x) * \cos(\sin x)) * (0 + 1 * (0 + 1 * (0 + 1 * 1 * \cos x) * \cos(\sin x)) * \text{negate}(\sin(\sin(\sin x)))) * \cos(\sin(\sin(\sin x))) + 1 * (0 + 1 * (0 + 1 * (0 + 1 * 1 * \cos x) * \cos(\sin x)) * \cos(\sin(\sin x))) * (0 + 1 * (0 + 1 * (0 + 1 * 1 * \cos x) * \cos(\sin x)) * \cos(\sin(\sin x))) * \text{negate}(\sin(\sin(\sin(\sin x)))) * \cos(\sin(\sin(\sin(\sin x)))) + 1 * (0 + 1 * (0 + 1 * (0 + 1 * (0 + 1 * 1 * \cos x) * \cos(\sin x)) * \cos(\sin(\sin x))) * \cos(\sin(\sin(\sin x))) * \cos(\sin(\sin(\sin(\sin x)))) * (0 + 1 * (0 + 1 * (0 + 1 * (0 + 1 * (0 + 1 * 1 * \cos x) * \cos(\sin x)) * \cos(\sin(\sin x))) * \cos(\sin(\sin(\sin(\sin x)))) * \text{negate}(\sin(\sin(\sin(\sin(\sin(\sin x))))))$$

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