

Pytorch.ipynb - Colab

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RAMDisk

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✓0s

[36] import torch
import numpy as np

✓0s

[38] a = torch.tensor([1,2,3,4])
b = torch.tensor([5,6,7,8])

[43] # Addition
a+b
torch.add(a, b)
a.add(b)

tensor([6, 8, 10, 12])

⏮

a|

I

ASCIENCES

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[50] b

tensor([5, 6, 7, 8])

[57] a = torch.tensor([1,2,3,4])
b = torch.tensor([5,36,17,8])

[0] a Tensor

A

and

assert

async

await

%alias

%alias_magic

as

%autoawait

%autocall

%automagic

a*b

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[50] b

tensor([5, 6, 7, 8])

[57] a = torch.tensor([1,2,3,4])
b = torch.tensor([5,36,17,8])
#Subtraction
b-a
torch.sub(a, b)
b.sub(a)
b.sub_(a)
b

tensor([4, 34, 14, 4])

#Multiplication
a = torch.tensor([1,2,3,4])
b = torch.tensor([5,6,7,8])
a*b
torch.mul(a, b)
a.mul(b)

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✓ 0s [69] #Division
a = torch.tensor([1,2,3,4])
b = torch.tensor([5,6,7,8], dtype=torch.float32)
a/b
torch.div(a, b)
b.div(a)
b.div_(a)
b

tensor([5.0000, 3.0000, 2.3333, 2.0000])

✓ 0s #Power/Exp
a = torch.tensor([1,2,3,4])
b = torch.tensor([5,6,7,8])
a**b
torch.pow(a, b)
a.pow(b)
b.pow_(a)
b

tensor([1, 64, 2187, 65536])

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#Power/Exp

a = torch.tensor([1,2,3,4])

b = torch.tensor([5,6,7,8])

a**b

torch.pow(a, b)

a.pow(b)

b.pow_(a)

b

tensor([1, 64, 2187, 65536])

0s

#Remainder

a = torch.tensor([1,2,3,4])

b = torch.tensor([5,6,7,8])

a%b

torch.remainder(a, b)

a.remainder(b)

b.remainder_(a)

b

tensor([1, 2, 3, 4])

[]

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