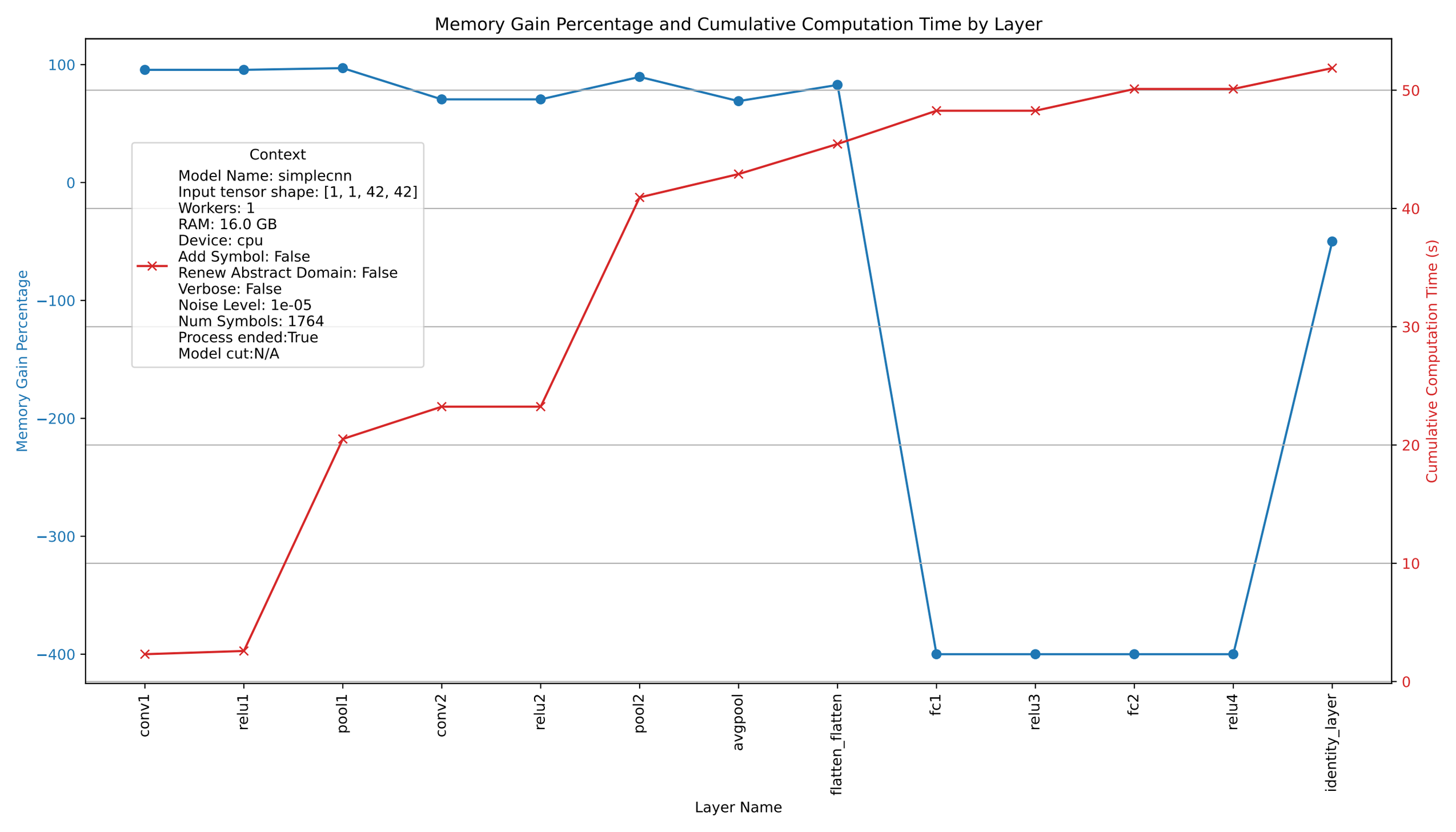
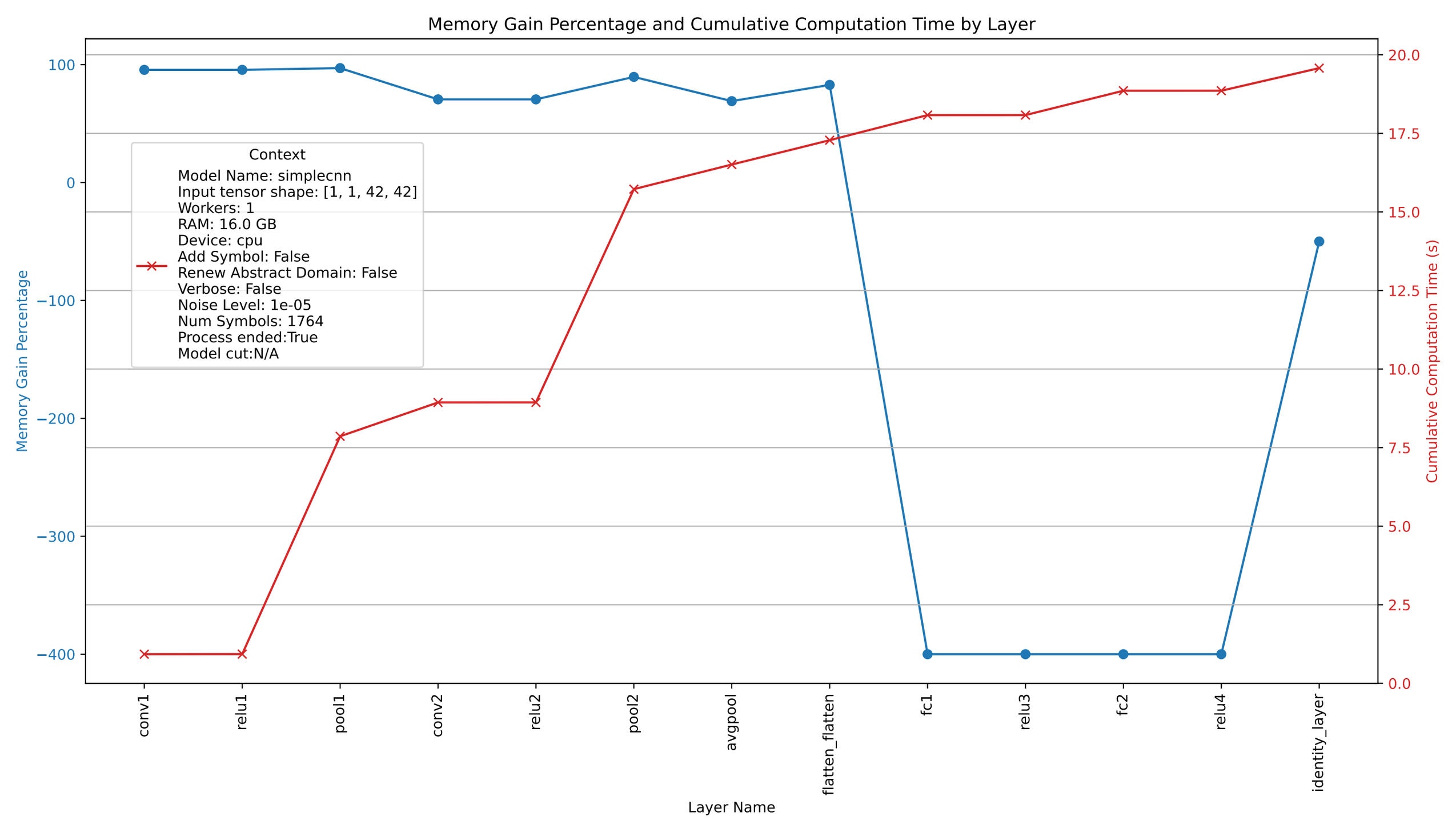
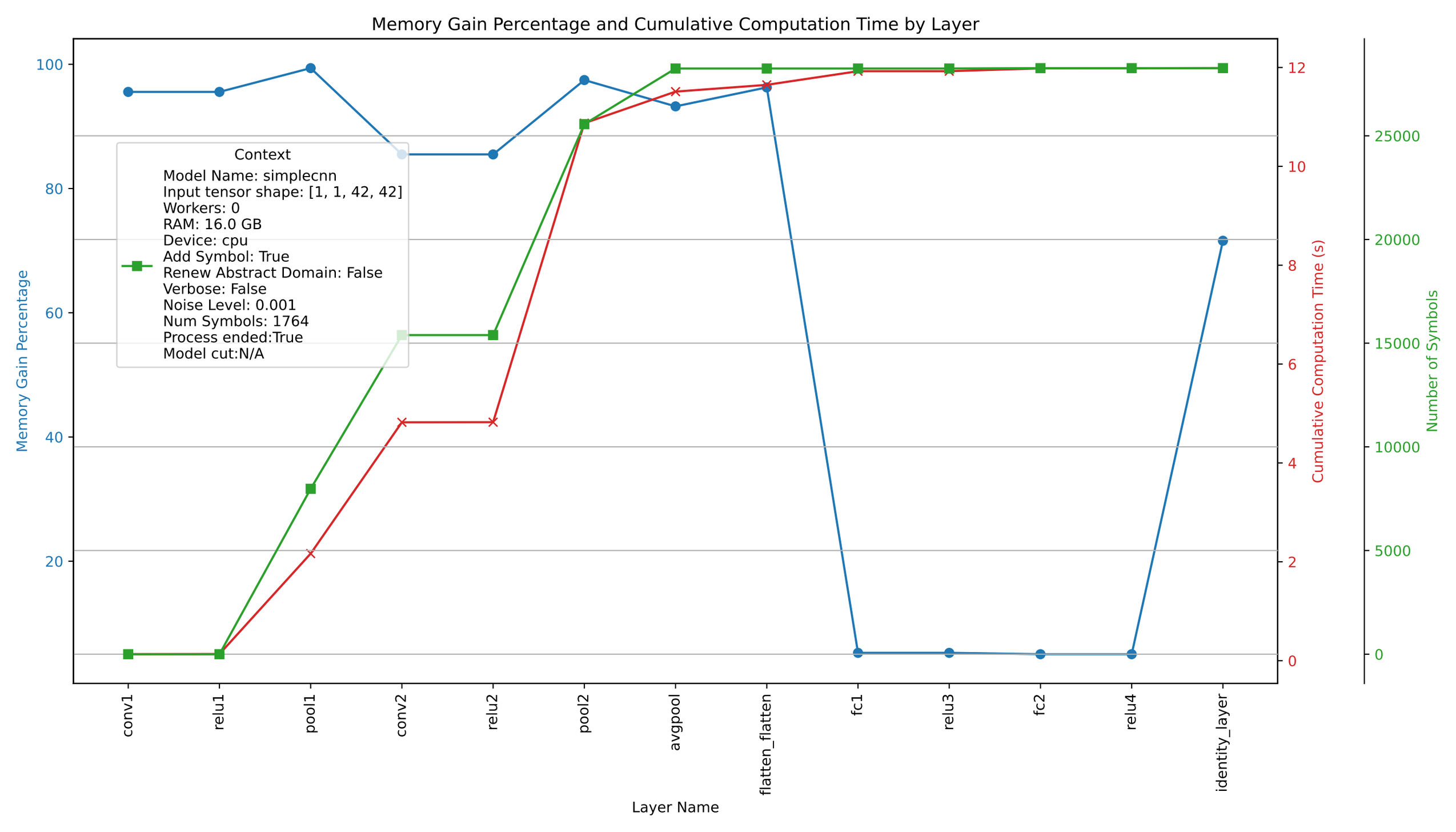
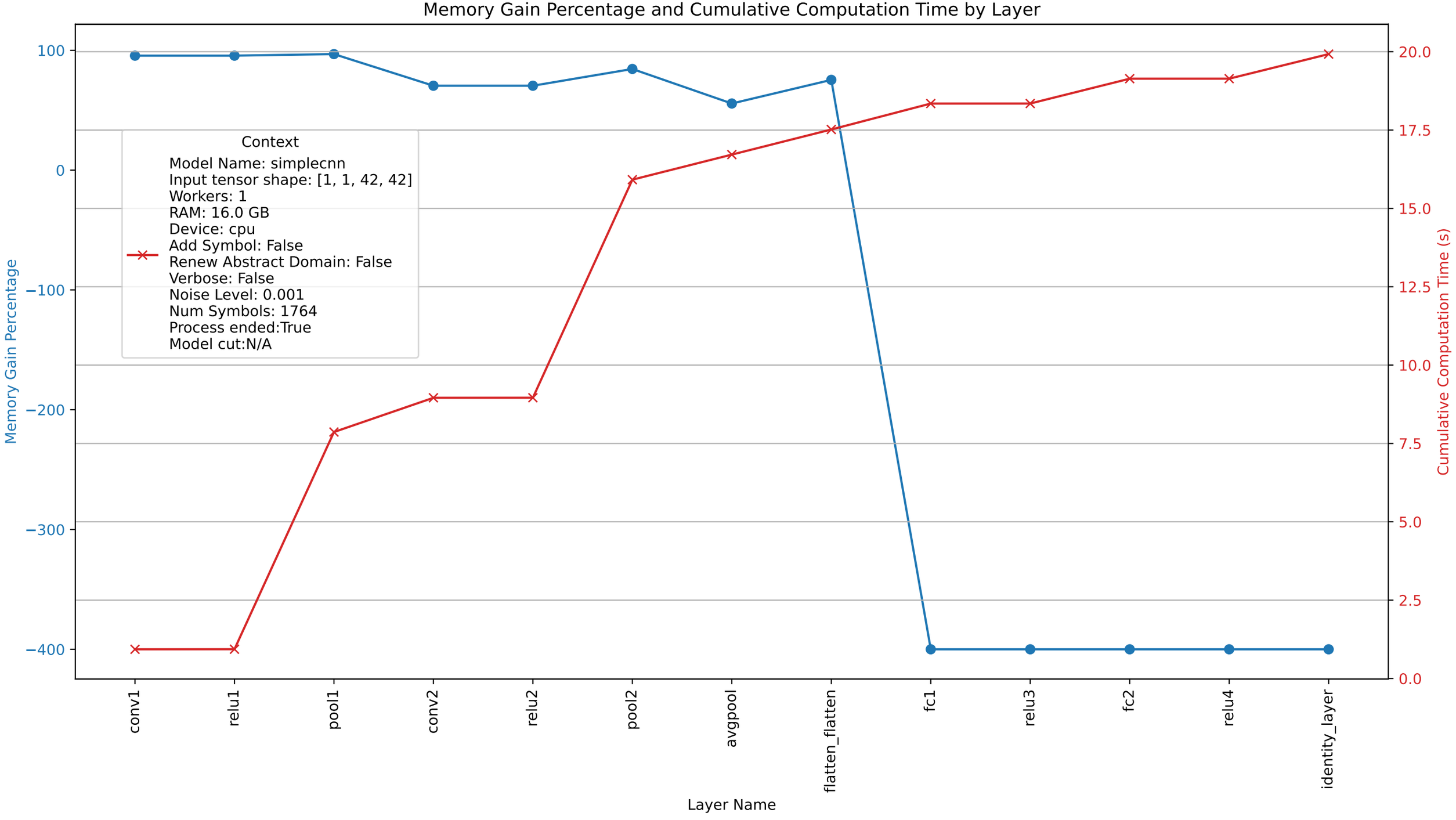
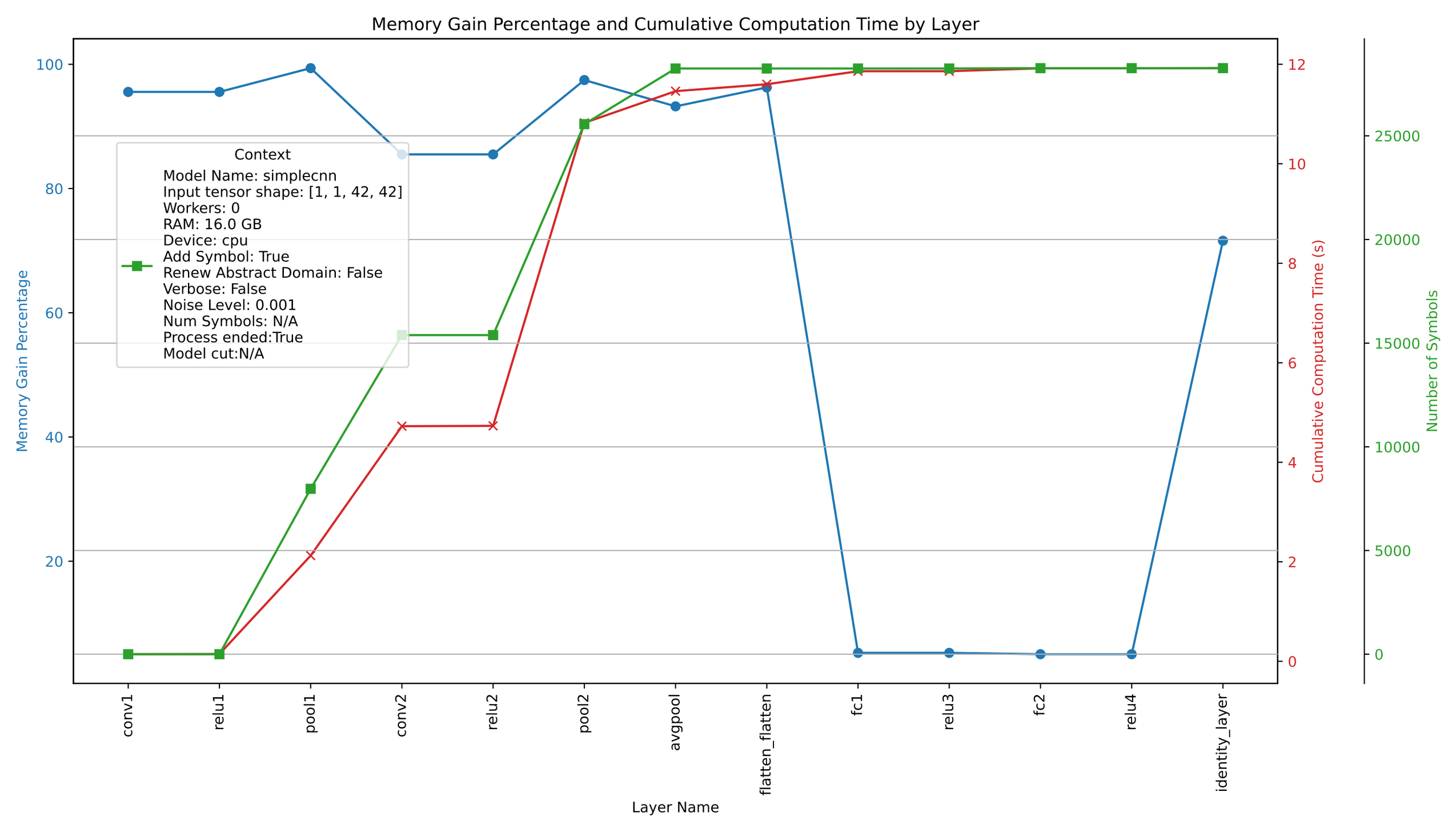
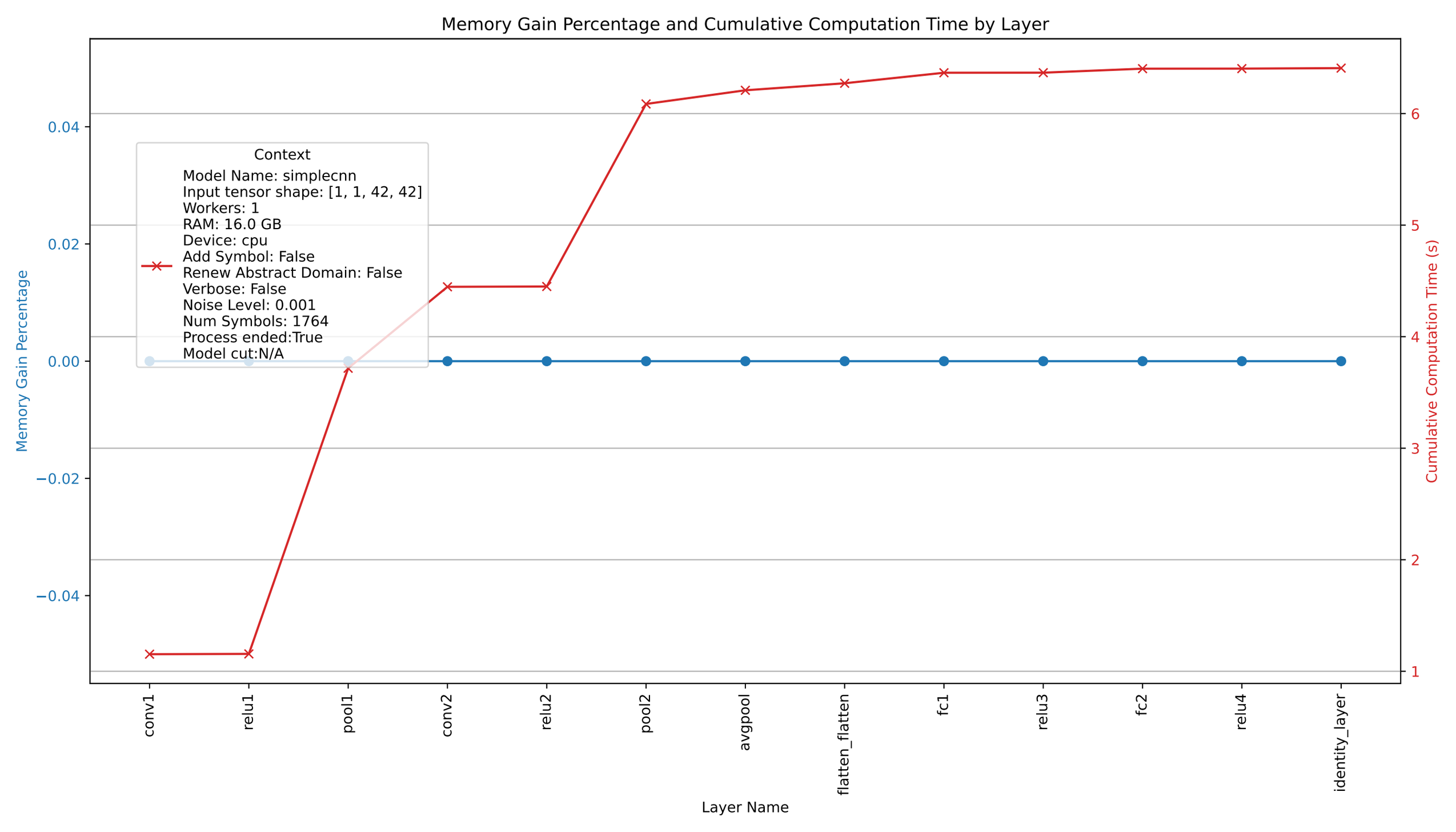

Memory Gain Percentage and Cumulative Computation Time by Layer
Memory Gain Percentage
Cumulative Computation Time (s)
Layer Name
Context
Model Name: simplecnn
Input tensor shape: [1, 1, 42, 42]
Workers: 1
RAM: 16.0 GB
Device: cpu
Add Symbol: False
Renew Abstract Domain: False
Verbose: False
Noise Level: 1e-05
Num Symbols: 1764
Process ended:True
Model cut:N/A
100
0
−100
−200
−300
−400
50
40
30
20
10
0
conv1
relu1
pool1
conv2
relu2
pool2
avgpool
flatten_flatten
fc1
relu3
fc2
relu4
identity_layer

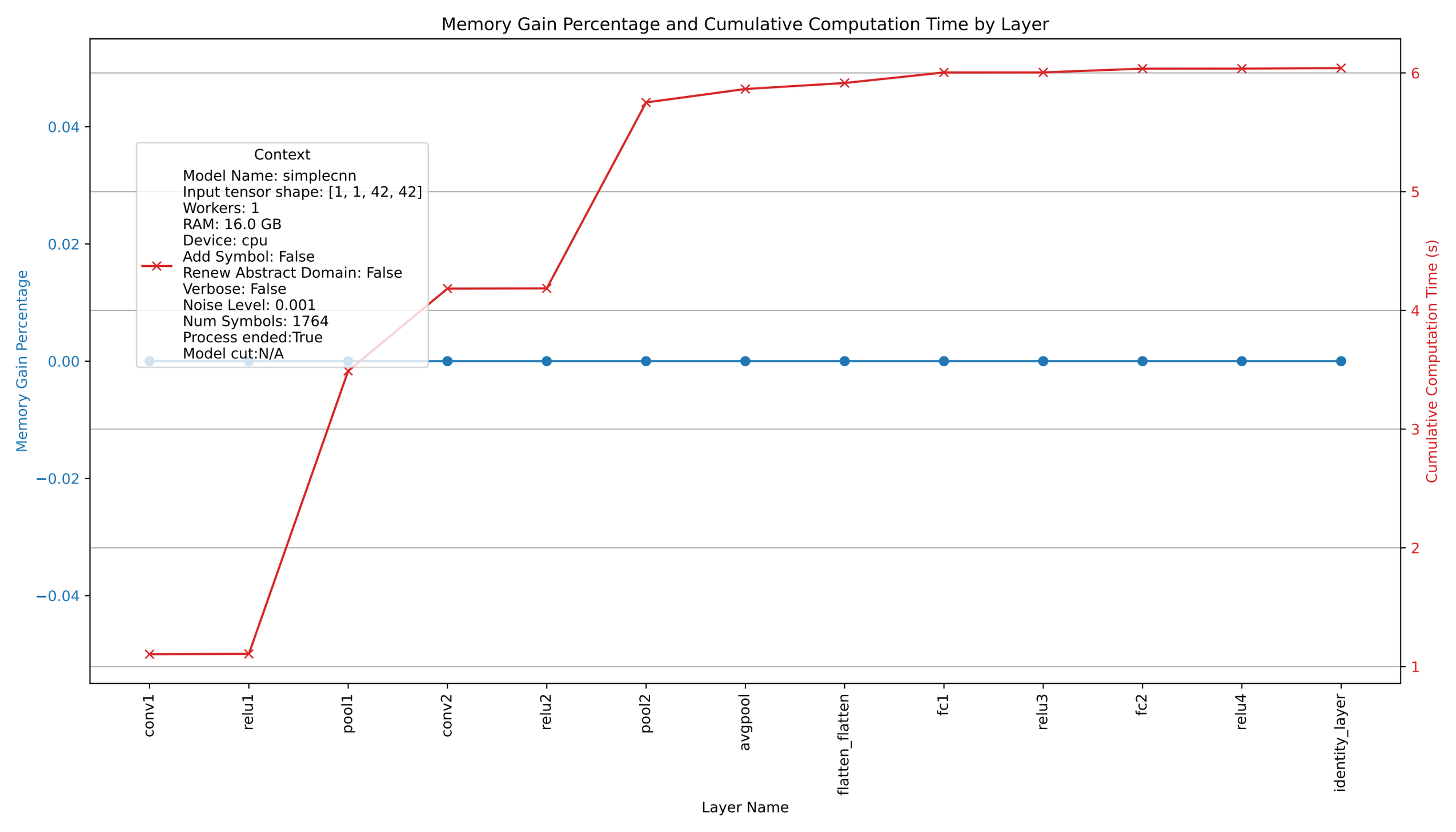

Memory Gain Percentage and Cumulative Computation Time by Layer
Context
Model Name: simplecnn
Input tensor shape: [1, 1, 42, 42]
Workers: 1
RAM: 16.0 GB
Device: cpu
Add Symbol: False
Renew Abstract Domain: False
Verbose: False
Noise Level: 1e-05
Num Symbols: 1764
Process ended:True
Model cut:N/A
Memory Gain Percentage
Cumulative Computation Time (s)
Layer Name
100
0
−100
−200
−300
−400
20.0
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0
conv1
relu1
pool1
conv2
relu2
pool2
avgpool
flatten_flatten
fc1
relu3
fc2
relu4
identity_layer

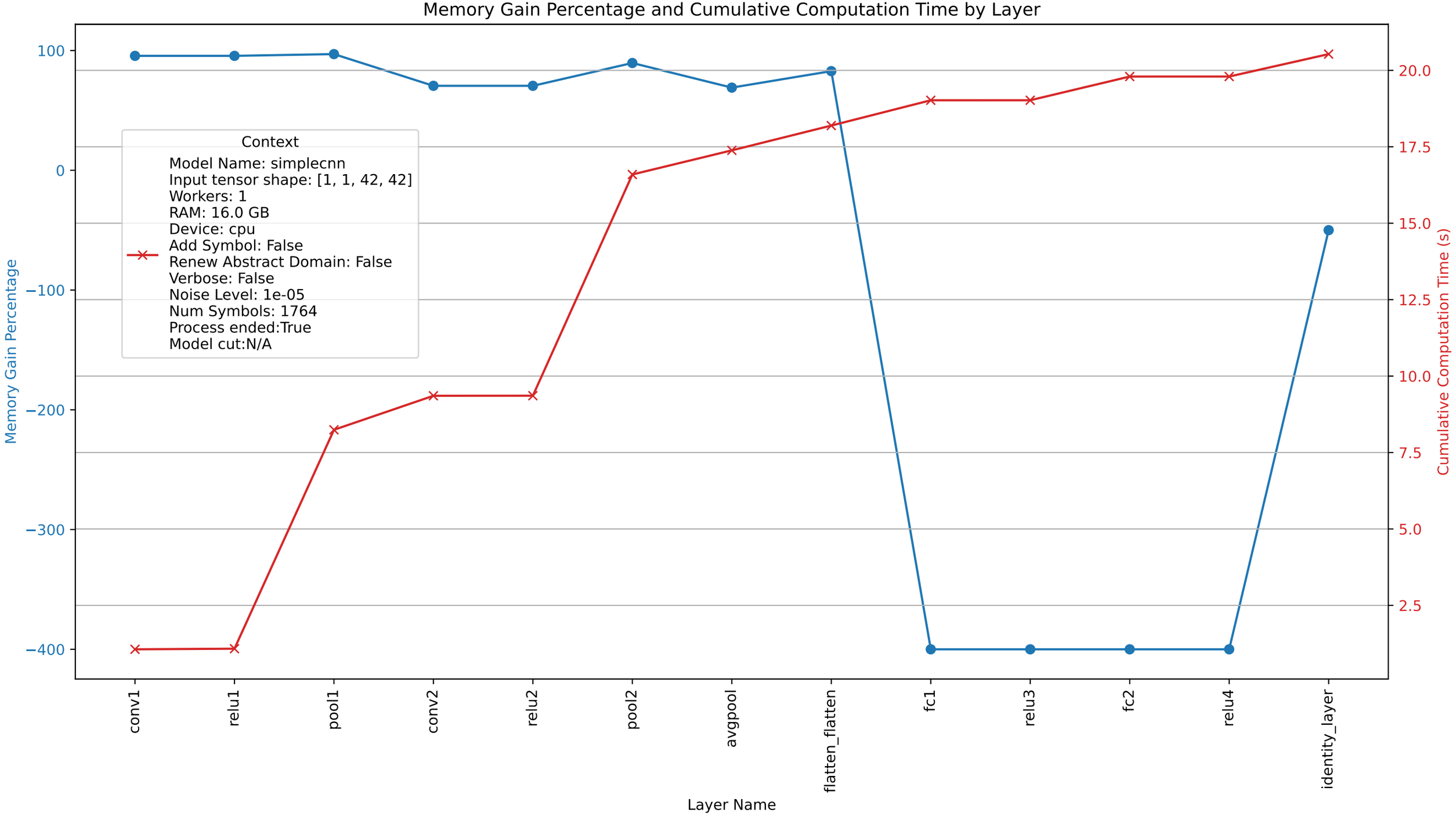

Memory Gain Percentage and Cumulative Computation Time by Layer
Context
Model Name: simplecnn
Input tensor shape: [1, 1, 42, 42]
Workers: 0
RAM: 16.0 GB
Device: cpu
Add Symbol: True
Renew Abstract Domain: False
Verbose: False
Noise Level: 0.001
Num Symbols: 1764
Process ended:True
Model cut:N/A
Memory Gain Percentage
Cumulative Computation Time (s)
Number of Symbols
Layer Name
conv1
relu1
pool1
conv2
relu2
pool2
avgpool
flatten_flatten
fc1
relu3
fc2
relu4
identity_layer

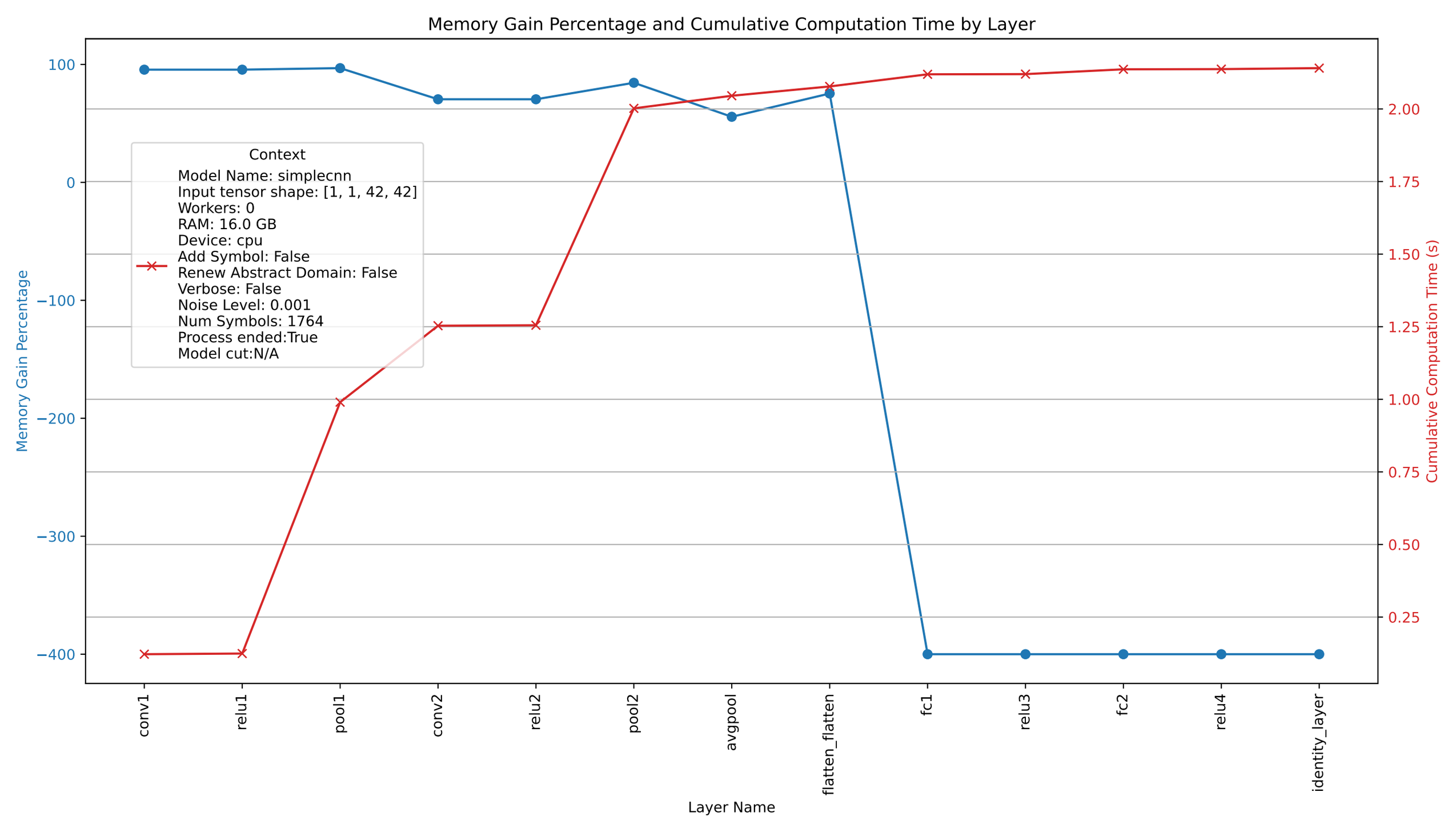

Memory Gain Percentage and Cumulative Computation Time by Layer
Memory Gain Percentage
Cumulative Computation Time (s)
Layer Name
Context
Model Name: simplecnn
Input tensor shape: [1, 1, 42, 42]
Workers: 1
RAM: 16.0 GB
Device: cpu
Add Symbol: False
Renew Abstract Domain: False
Verbose: False
Noise Level: 0.001
Num Symbols: 1764
Process ended:True
Model cut:N/A
100
0
−100
−200
−300
−400
20.0
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0
conv1
relu1
pool1
conv2
relu2
pool2
avgpool
flatten_flatten
fc1
relu3
fc2
relu4
identity_layer

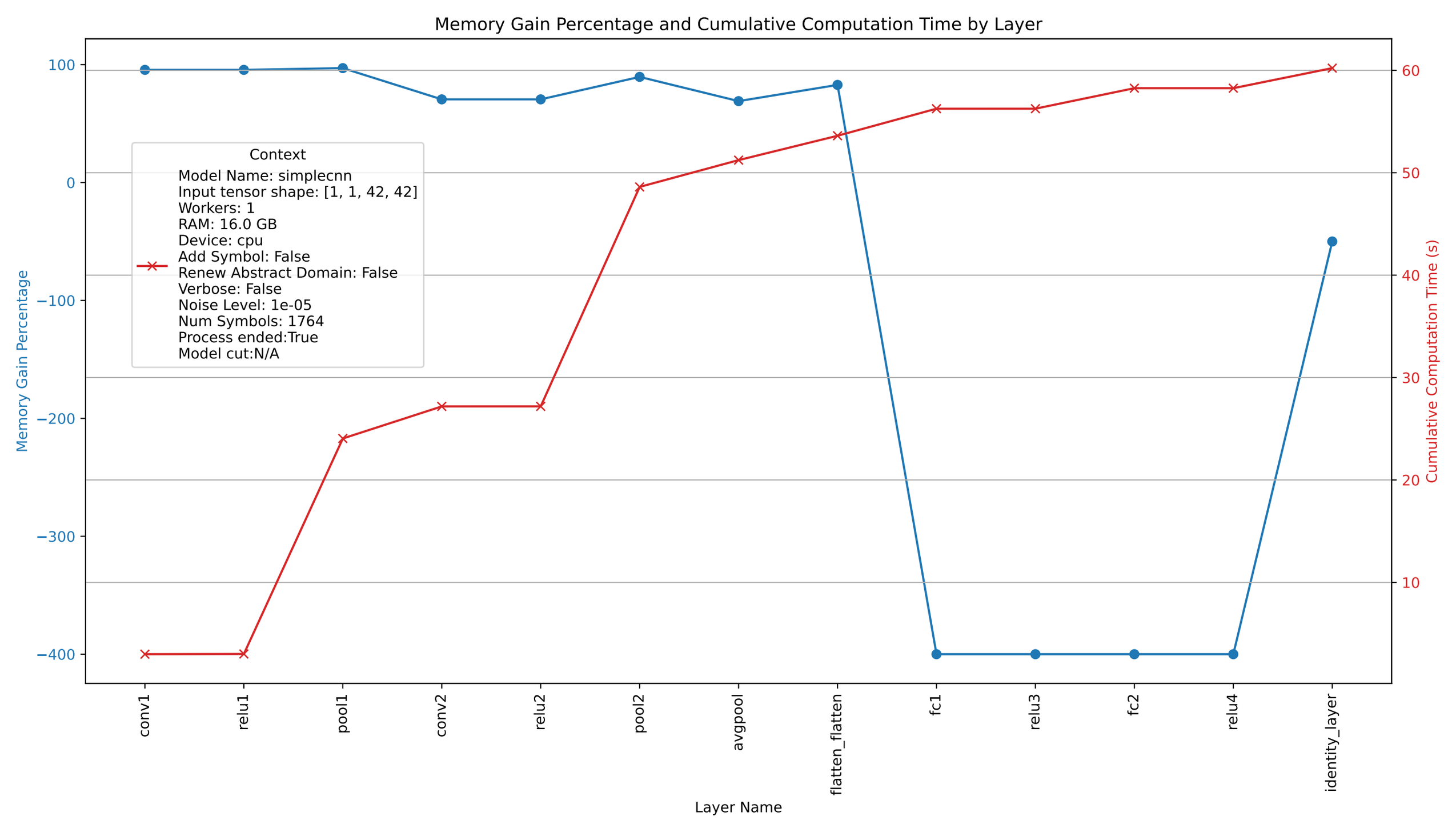

Memory Gain Percentage and Cumulative Computation Time by Layer
Context
Model Name: simplecnn
Input tensor shape: [1, 1, 42, 42]
Workers: 0
RAM: 16.0 GB
Device: cpu
Add Symbol: True
Renew Abstract Domain: False
Verbose: False
Noise Level: 0.001
Num Symbols: N/A
Process ended:True
Model cut:N/A
Memory Gain Percentage
Cumulative Computation Time (s)
Number of Symbols
Layer Name
conv1
relu1
pool1
conv2
relu2
pool2
avgpool
flatten_flatten
fc1
relu3
fc2
relu4
identity_layer

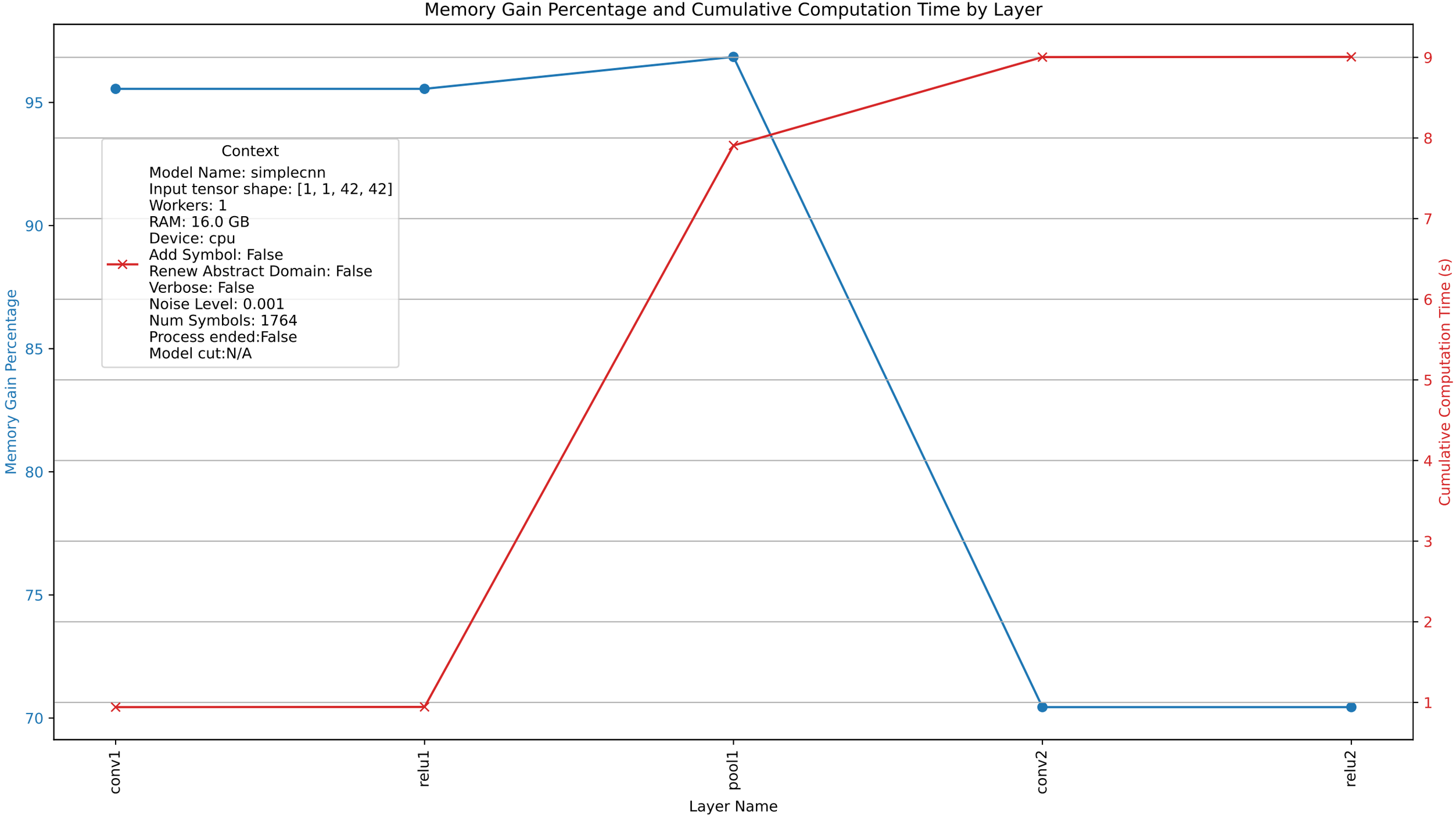

Memory Gain Percentage and Cumulative Computation Time by Layer
Context
Model Name: simplecnn
Input tensor shape: [1, 1, 42, 42]
Workers: 1
RAM: 16.0 GB
Device: cpu
Add Symbol: False
Renew Abstract Domain: False
Verbose: False
Noise Level: 0.001
Num Symbols: 1764
Process ended:True
Model cut:N/A
Memory Gain Percentage
Cumulative Computation Time (s)
Layer Name
0.04
0.02
0.00
−0.02
−0.04
1
2
3
4
5
6
conv1
relu1
pool1
conv2
relu2
pool2
avgpool
flatten_flatten
fc1
relu3
fc2
relu4
identity_layer

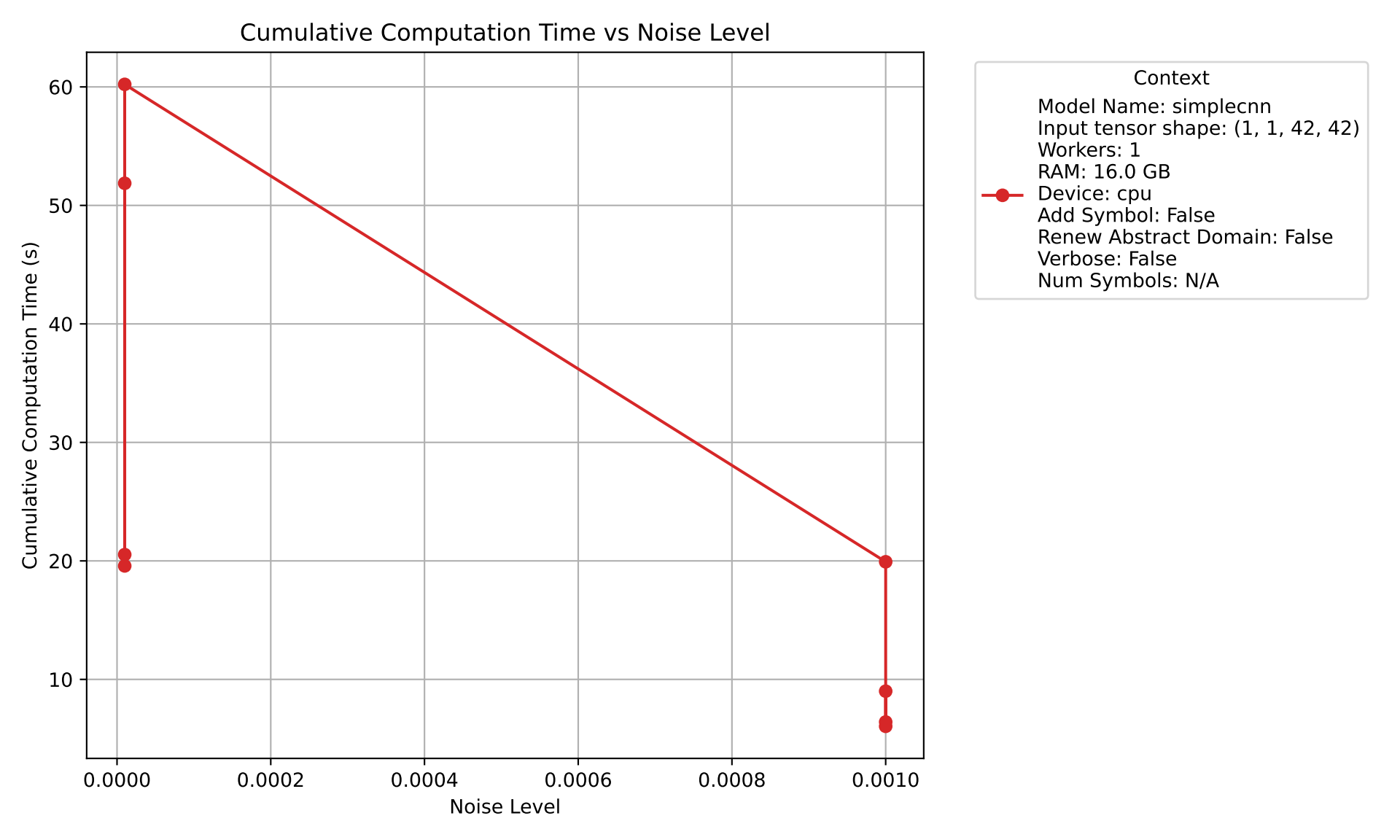

Memory Gain Percentage and Cumulative Computation Time by Layer
Context
Model Name: simplecnn
Input tensor shape: [1, 1, 42, 42]
Workers: 1
RAM: 16.0 GB
Device: cpu
Add Symbol: False
Renew Abstract Domain: False
Verbose: False
Noise Level: 0.001
Num Symbols: 1764
Process ended:True
Model cut:N/A
Memory Gain Percentage
Cumulative Computation Time (s)
Layer Name
0.04
0.02
0.00
−0.02
−0.04
1
2
3
4
5
6
conv1
relu1
pool1
conv2
relu2
pool2
avgpool
flatten_flatten
fc1
relu3
fc2
relu4
identity_layer

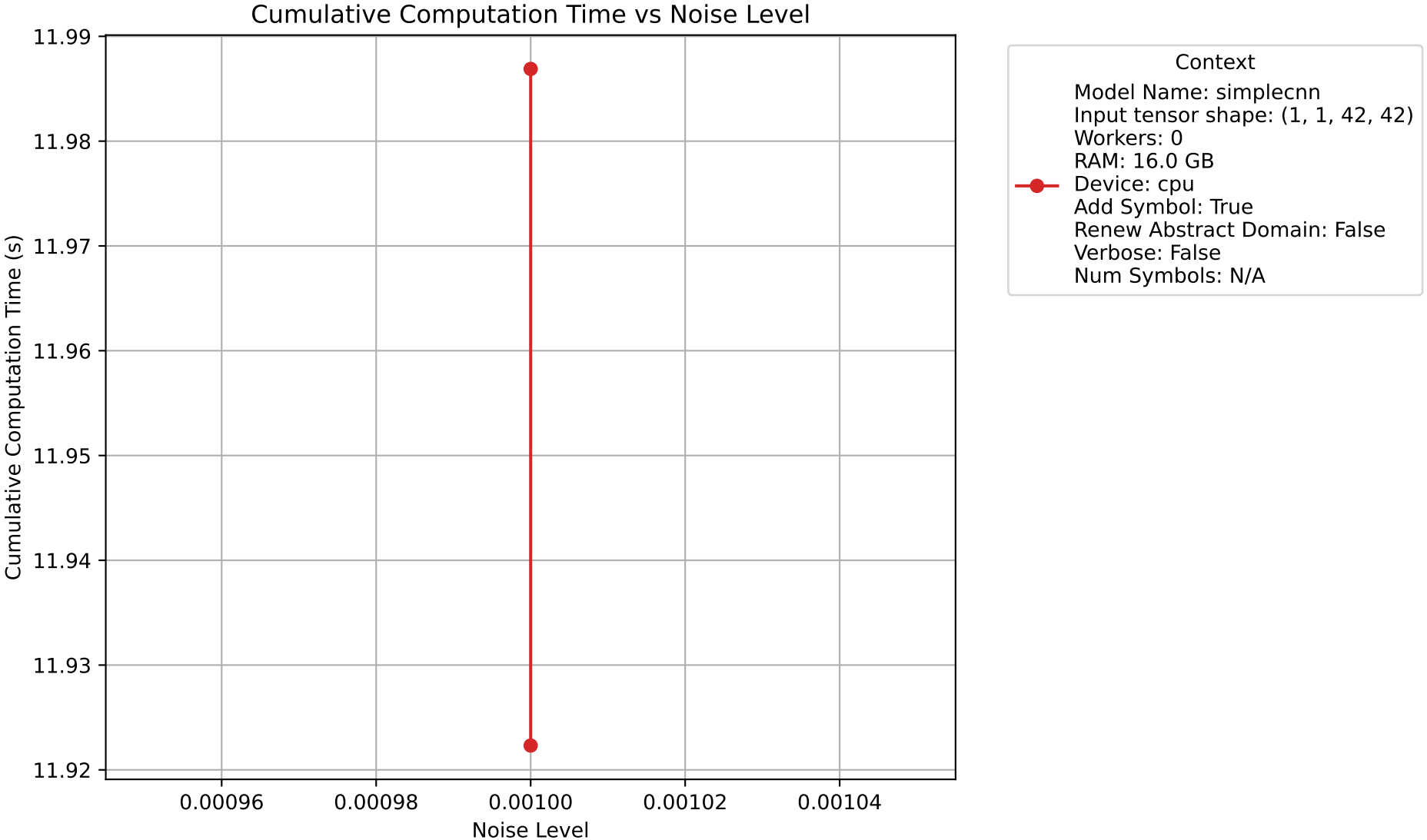

Memory Gain Percentage and Cumulative Computation Time by Layer
Context
Model Name: simplecnn
Input tensor shape: [1, 1, 42, 42]
Workers: 1
RAM: 16.0 GB
Device: cpu
Add Symbol: False
Renew Abstract Domain: False
Verbose: False
Noise Level: 1e-05
Num Symbols: 1764
Process ended:True
Model cut:N/A
Memory Gain Percentage
Cumulative Computation Time (s)
Layer Name
100
0
−100
−200
−300
−400
20.0
17.5
15.0
12.5
10.0
7.5
5.0
2.5
conv1
relu1
pool1
conv2
relu2
pool2
avgpool
flatten_flatten
fc1
relu3
fc2
relu4
identity_layer

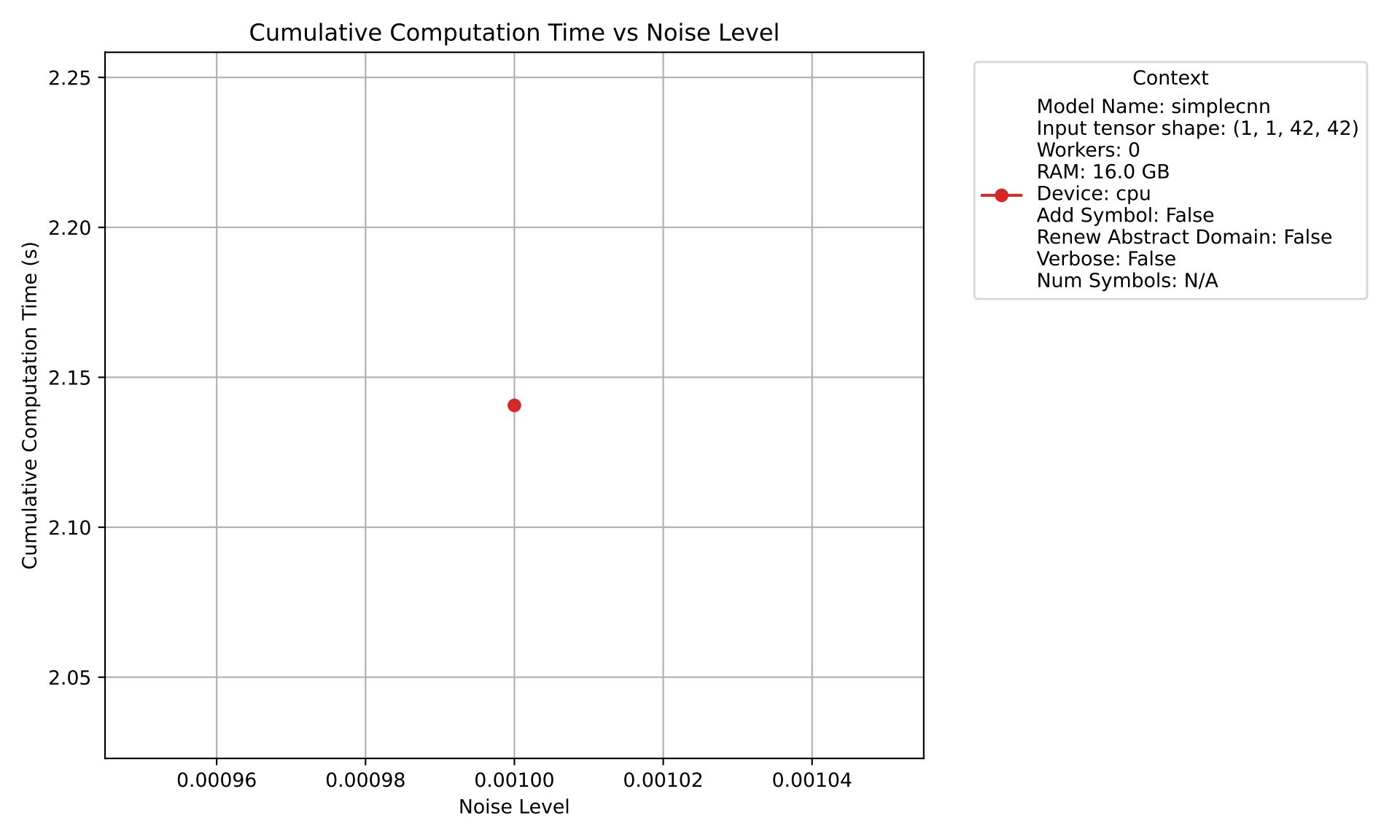

Memory Gain Percentage and Cumulative Computation Time by Layer
Memory Gain Percentage
Cumulative Computation Time (s)
Layer Name
Context
Model Name: simplecnn
Input tensor shape: [1, 1, 42, 42]
Workers: 0
RAM: 16.0 GB
Device: cpu
Add Symbol: False
Renew Abstract Domain: False
Verbose: False
Noise Level: 0.001
Num Symbols: 1764
Process ended:True
Model cut:N/A
100
0
−100
−200
−300
−400
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
conv1
relu1
pool1
conv2
relu2
pool2
avgpool
flatten_flatten
fc1
relu3
fc2
relu4
identity_layer


Memory Gain Percentage and Cumulative Computation Time by Layer
Memory Gain Percentage
Cumulative Computation Time (s)
Layer Name
Context
Model Name: simplecnn
Input tensor shape: [1, 1, 42, 42]
Workers: 1
RAM: 16.0 GB
Device: cpu
Add Symbol: False
Renew Abstract Domain: False
Verbose: False
Noise Level: 1e-05
Num Symbols: 1764
Process ended:True
Model cut:N/A
100
0
−100
−200
−300
−400
60
50
40
30
20
10
conv1
relu1
pool1
conv2
relu2
pool2
avgpool
flatten_flatten
fc1
relu3
fc2
relu4
identity_layer


Memory Gain Percentage and Cumulative Computation Time by Layer
Context
Model Name: simplecnn
Input tensor shape: [1, 1, 42, 42]
Workers: 1
RAM: 16.0 GB
Device: cpu
Add Symbol: False
Renew Abstract Domain: False
Verbose: False
Noise Level: 0.001
Num Symbols: 1764
Process ended:False
Model cut:N/A
Memory Gain Percentage
Cumulative Computation Time (s)
95
90
85
80
75
70
9
8
7
6
5
4
3
2
1
conv1
relu1
pool1
conv2
relu2
Layer Name


Cumulative Computation Time vs Noise Level
Cumulative Computation Time (s)
60
50
40
30
20
10
0.0000
0.0002
0.0004
0.0006
0.0008
0.0010
Noise Level
Context
Model Name: simplecnn
Input tensor shape: (1, 1, 42, 42)
Workers: 1
RAM: 16.0 GB
Device: cpu
Add Symbol: False
Renew Abstract Domain: False
Verbose: False
Num Symbols: N/A


Cumulative Computation Time vs Noise Level
Cumulative Computation Time (s)
11.99
11.98
11.97
11.96
11.95
11.94
11.93
11.92
0.00096
0.00098
0.00100
0.00102
0.00104
Noise Level
Context
Model Name: simplecnn
Input tensor shape: (1, 1, 42, 42)
Workers: 0
RAM: 16.0 GB
Device: cpu
Add Symbol: True
Renew Abstract Domain: False
Verbose: False
Num Symbols: N/A


Cumulative Computation Time vs Noise Level
Cumulative Computation Time (s)
2.25
2.20
2.15
2.10
2.05
0.00096
0.00098
0.00100
0.00102
0.00104
Noise Level
Context
Model Name: simplecnn
Input tensor shape: (1, 1, 42, 42)
Workers: 0
RAM: 16.0 GB
Device: cpu
Add Symbol: False
Renew Abstract Domain: False
Verbose: False
Num Symbols: N/A