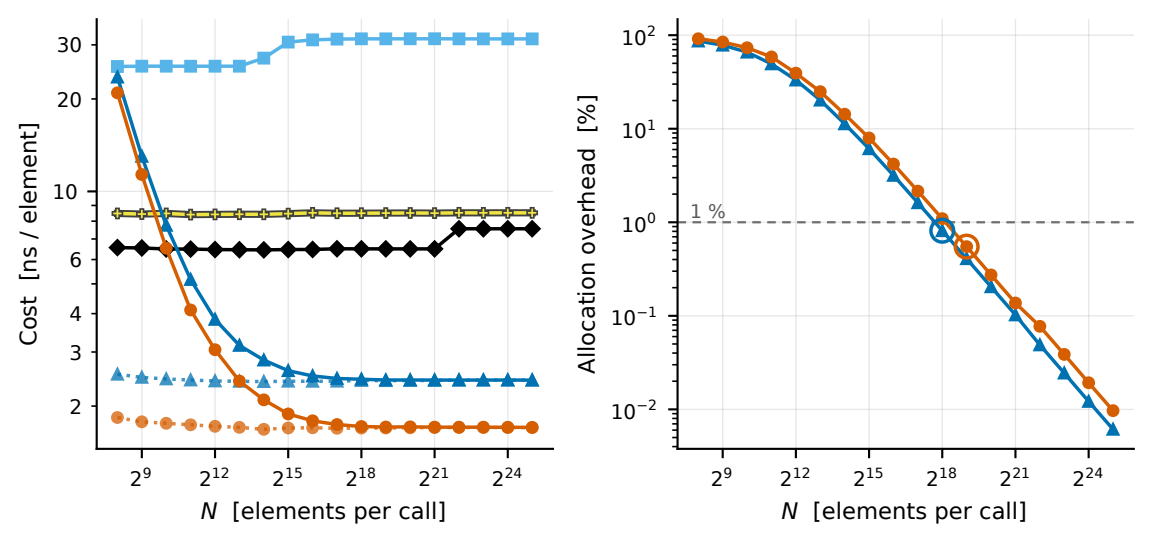
Cost [ns / element]
30
20
10
6
4
3
2
2^9
2^{12}
2^{15}
2^{18}
2^{21}
2^{24}
N [elements per call]
Allocation overhead [%]
10^2
10^1
10^0
10^{-1}
10^{-2}
1 %
N [elements per call]
scalar
matched
matched_fma
AVX2
AVX-512
allocation first below 1 %
new workspace
reused workspace