



A blue circle with a dark blue border and the text 'Op' in the center.

Op



A green rounded square with a white 'X' in the center. The square has a thick green border and a lighter green fill. The 'X' is white and centered.

X



y

Differential Dataflow

input data: { (data, diff) } @ time



output data: { (data, diff) } @ time

Important: times are only partially ordered

Differentiation and discrete partial order

input data: { (data, diff) } @ time



inputdata:: {(data,diff)}@time



outputdata: {(data,diff)}@time

with data-parallel operators