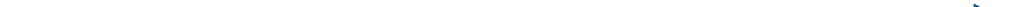

Op

X

y

Differential Dataflow

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

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

Important: times are only **partially** ordered

Differentiation on a discrete partial order

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

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

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

with data-parallel operators