

rules of differentiation



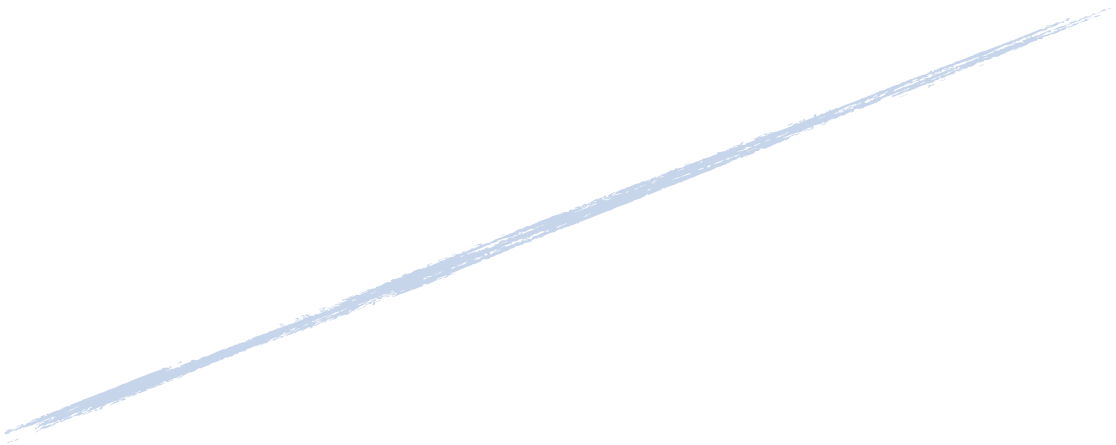
sum rule



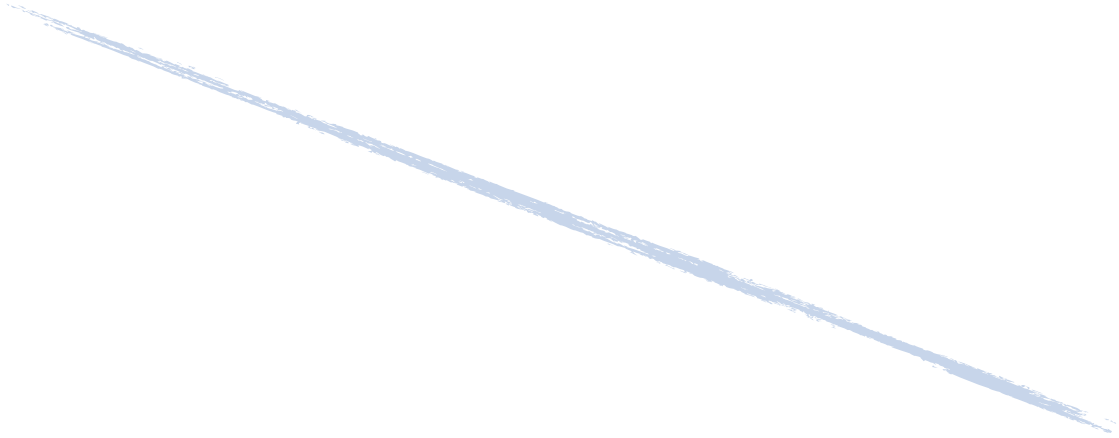
product rule



chain rule





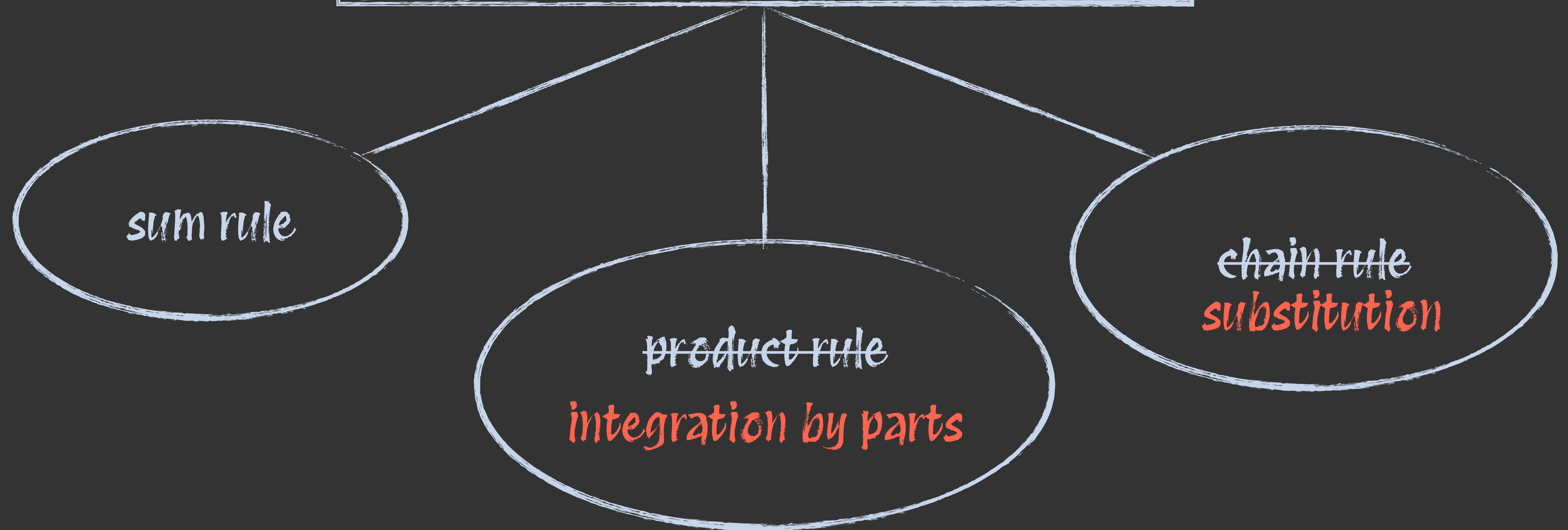


integration

substitution

integration by parts

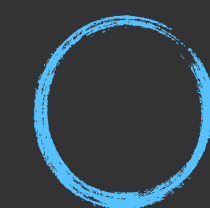
rules of differentiation integration



Remember the machine we built for differentiation?
We can use their reverse application for integration...

the sum rule

the sum rule



(because integral is indefinite)