

$$\frac{d}{dt} \text{[Diagram 1]} = \text{[Diagram 2]} + \text{[Diagram 3]}$$

The diagram illustrates a mathematical identity involving the derivative of a diagram. On the left, the derivative  $\frac{d}{dt}$  is applied to a single gray oval. This is equal to the sum of two terms. The first term is a gray oval with two white triangles inside, and a dashed arc above it. The second term is a gray oval with one white triangle inside, and a dashed arc above it, plus another gray oval with one white triangle inside.