Interpreting f''[dx, dx'] as the failure of parallelograms to map to parallelograms (to second order): f(x) + f'(x)[dx + dx']x + dx'x + dx + dx' $+ \frac{1}{2}f''(x)[dx + dx', dx + dx']$ f(x) + f'(x)[dx'] $+ \frac{1}{2}f''(x)[dx', dx']$ f''(x)[dx,dx']x + dxf(x) + f'(x)[dx + dx'] $+ \frac{1}{2}f''(x)[dx, dx] + \frac{1}{2}f''(x)[dx', dx']$ f(x) + f'(x)[dx] $+ \frac{1}{2}f''(x)[dx, dx]$ $f(\mathbf{x})$