

## **The Schrodinger Option Price versus the Black-Scholes Option**

### **Price: A Discussion.**

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This paper proposes to consider the wave-equivalent of the Black-Scholes option price. We consider a specific Brownian motion with a Planck constant and use this specific motion as an input to produce a Black-Scholes PDE with a risk premium. We discuss how the wave equivalent of the Black-Scholes option price generates, under Black-Scholes methodology, a Black-Scholes option price with a risk premium.