

ternative definition of quadratic variation for martingales] Let M be a continuous, square integrable \mathcal{F} -martingale, i.e. $\mathbb{E}(M_t^2) < \infty$ for all $t \geq 0$. Then the quadratic variation $\langle M \rangle$ is the unique continuous, increasing and \mathcal{F} -adapted process with $\langle M \rangle_0 = 0$ such that $M^2 - \langle M \rangle$ give us an \mathcal{F} -martingale.

Remark 0.0.1. T