

4. Solution

Assum the solution is of the form

 $f(t,t) = \exp(-rC(t,T) - A(t,T))$

Substitude this expression into bond equation we obtain:

(-rc'-A')f+ M(-c)f+ =cf-rf=0

→ A'= -rc' - uc + \(\frac{\pi}{2} \c^2 - r

Differentiating with respect to r gives $\frac{\partial C}{\partial t} = C' = -\frac{2H}{2H}C + \frac{C^2}{2}\frac{3}{5r}(\overline{\tau}^2) - |$ $= \gamma(t)C + \frac{\chi(t)}{2}C^2 - |$ Moreover, $\frac{2H}{2t} = \gamma(t)C + \frac{1}{2}\beta(t)C^2$

Boundary condition ACTIT) = 0 BET, T) = 0

Mindre 13) = algorithm + more than - cly

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