The only free variables are δp, δur, δuθ. δuϕ, δrmd, and $\delta\epsilon$ defined in terms of δp, which is in turn a fcn of r, θ that NDSolve is supposed to find. The variables α, β, ν, ω, ϵ and p, are found from using Interpolation. i.e. α = Interpolation[alpha]. Where alpha is my data. The dalphar = Function[r,θ, Evaluate[D[α, r]]]. Similarly for the other d...r or d...θ terms. m = 2. ut is some function of r and θ. Capital omega is just a number.

The only variable that I'm not sure about is σ, and I thought this was throwing errors since I hadn't defined it in any way. So I just tried $\sigma = 10$, and it still gave me the same error. I'm also not sure if my BC are right. Could that be causing the issue? I was getting BC errors before but after playing around with the BC those errors went away and I was left with this one.

Once again with hopefully with more clarity, is the command that I've giving mathematica:

sol = NDSolve[

{

D[δur[r, θ], r] + D[δuθ[r, θ], θ] == (ut/ rmd[r, θ] *(σ- mΩ)*δrmd [r, θ]) - (2/r + 1/rmd[r, θ]* drmdr[r, θ] + 2dalphar[r, θ] + dbetar[r, θ] + dnur[r, θ])*δur[r, θ] - (Cotθ + 1/rmd[r, θ]*drmdθ[r, θ] + 2dalphaθ[r, θ] + dbetaθ[r, θ] + θ[r, θ])*δuθ[r, θ] + (σ*F[r, θ] - m)*δuϕ[r, θ],

D[δp[r, θ], r] == (1 /(ϵ+ p) *D[p[r, θ], r]*($\delta\epsilon$[r, θ] + δp[r, θ])) - ((ϵ + p)*ut)/ Exp [-2 α])*(σ - m*Ω)*δur[r, θ] + ((ϵ + p)*ut)/ Exp [-2 α])* (Exp[2 β- 2 α]* r^2* (Sinθ)$^2 *$ (Ω - ω[r, θ])* D[Log [F[r, θ], r]* δuϕ[r, θ])),

D[δp[r, θ], θ] == (1 /(ϵ+ p) * D[p[r, θ], θ]*($\delta\epsilon$[r, θ] + δp[r, θ) - ((ϵ+ p)*r$^2 * ut)/Exp[-2\alpha]$)*(σ - m*Ω)*δuθ[r, θ])+ ((ϵ+ p)*r$^2 * ut)/Exp[-2\alpha]$)*(Exp[2 β - 2α]* r$^2 * (Sin[\theta])^2 *$ (Ω - ω[r, θ])* D[Log[F[r, θ], r])* δuϕ[r, θ])),

(*Boundary Conditions*)
$\delta\theta$[1, θ] == 0, δur[1, θ] == δp[1, θ] == $\delta\theta$[r, 1] == δur[r, 1] == δp[r, 1] == 0, -I*γ1*δp[128, θ + δur[128,θ]* Evaluate[D[δp[128, θ], r]] + δuθ[128, θ]*Evaluate[D[δp[128, θ], θ] == 0,

(*what I'm solving for, and the bounds*)
{δp, δur, δuθ}, {r, 1, 128}, {θ, 1, 64}]