


```

Clear[α, θ, φ, Ξ, ω];
γ0 = Γ[ω, h_a σ_a + h_s σ_s, {t_a, t_s} . (
  σ_a + α (T_a - 1)   θ (T_a - 1)
  φ (T_s - 1)       σ_s + Ξ (T_s - 1)
) . {h_a, h_s}];
γ1 = γ0 // qΔ[a, b, c]
(
  ω           s_b           s_c           s_s
  s_b -α T_c + α T_b T_c + σ_a   α (-1 + T_b) T_c   θ (-1 + T_b) T_c
  s_c       α (-1 + T_c)       -α + α T_c + σ_a   θ (-1 + T_c)
  s_s       φ (-1 + T_s)       φ (-1 + T_s)       -Ξ + Ξ T_s + σ_s
  Ξ         σ_a               σ_a               σ_s
)

γ1[A] - DiagonalMatrix[{σ_a, σ_a, σ_s}] // Simplify // MatrixForm
(
  α (-1 + T_b) T_c   α (-1 + T_b) T_c   θ (-1 + T_b) T_c
  α (-1 + T_c)       α (-1 + T_c)       θ (-1 + T_c)
  φ (-1 + T_s)       φ (-1 + T_s)       Ξ (-1 + T_s)
)

```