



```
- 5 Si-j ni Dt (6)
   tenemos que tomando AT → 0:
   \sum_{i=1}^{\tau/\Delta t} S_{i-j} \Delta \tau \longrightarrow \int_{0}^{\infty} d\tau S(\tau - \tau_{\kappa}) S(\tau - \tau_{j}) = \Phi_{SS}(\tau_{\kappa}, \tau_{j})
\sum_{i=0}^{\tau/\delta\tau} S_{i-i} \Lambda_{i} \Delta \tau \longrightarrow \int_{0}^{\infty} d\tau \, \Lambda(\tau) \, S(\tau-t_{j}) = Q_{nS}(0,\tau_{j})
                               \int_{0}^{\infty} dt' D(t') \left( \int_{0}^{\infty} S(\tilde{\tau} - t') S(\tilde{\tau} - t') d\tilde{t} \right)
  = tememor
                                                                            QSS (T',T) CORRELACIONES
                               = Q_{\Lambda S}(0, \tau)
                                                                            QSS (=-t')
                                                                             necesi tomos gul
                                                                               rolo dependo.
                                                                                   as es al
    Ponlmos un estimulo estocionorio
                                                                                     tiempo
                                                                                     (pora poder
     transfermance Fourier (pora despejos D(T))
                                                                                      escer es
                                                                                         colculos)
       \int_0^\infty dt' D(\epsilon') Q_{SS}(c-t') = Q_{NS}(0,t)
            \widetilde{D}(\omega) \widetilde{Q_{SS}}(\omega) = \widetilde{Q_{NS}}(\omega)
                                                                    D(T) = J D(w) C dw
        = \widetilde{D}(\omega) = \widetilde{Q_{0}}(\omega) = \widetilde{Q_{0}}(\omega)
                                  QSS(W) FT
      Consideramos com a estímula ruida elem co (goussiana,
               conelociones de estimulo
                                                                                  sin concecciones)
     = Qs< (t-t') = 02 &(t-t')
       =) \int_{0}^{\infty} dt' D(t') Q_{SS}(\tau-t') = O^{2}D(\tau) = Q_{NS}(0,\tau)
              D(\tau) = \frac{q_{1s}(0,\tau)}{6^{2}} = \frac{1}{6^{2}} \int_{0}^{\tau} dt_{j} \, n(\tau_{j}) \, S(\tau_{j} - \tau_{j})
                                                               Spiker
                                       = \frac{1}{6^2} \sum_{\text{JPikes}} \int_0^t dt_j S(t_j - t_{\text{SPike}}) S(t_j - t)
                        D(t) = 1 5 S (tspike -t)
               (luego \Lambda(t) = \Lambda_0 + \int_0^{\infty} D(\tau) S(\tau - \xi) d\xi)
```



