





```
1 Fast SLAM 1.0 - Known-Correspondence (Ze, Ce, Ue, Xe)
    foon K=1 to Ndo
       Tot <2(=1, < M1, t-1, \( \sum_{(N)} \), \( \sum_{(N)} \), \( \sum_{(N)} \)
      2( ~ P(x + | x = 1, u)
       j=Ct
       If facture is nover som before
           Mirk = hi (ZE, O(E))
           H = h'(M_{i,t}^{(n)}, x_t^{(n)})
 g
          Sin = H-Q. (H-1)T
 C
           WED = Po // default importance wiight
 10
       else
  1)
       \langle \mathcal{H}_{j,\xi}^{[n]}, \Sigma_{j,\xi}^{[n]} \rangle = \text{EKF-Update}(---)
 17
       W= 12xQ12 exp(-12(2,-2m))TQ-1(2,-2m))
 13
                   Q=NZi,t-1HT+Q1
     endif
      for all unobserved features i' do

    (U); + , \( \sum_{j', \in 1}^{(N)} \) = < (\( \lambda_{j', \in 1}^{(N)} \), \( \sum_{j', \in 1}^{(N)} \)</li>

      andfor
18 and for
                                                        ... ∪ Ke1...N
   X = onesample ( de , Miss Zin).
20 gratum XL
               D. Krepel
```



