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Compute (if any) or additional feedback which essions the eigenvalues of the plant without destroying non-interaction, i.e., W(t) is diagonal and the feedback is interactly asymptotically stable.

le vit: ker (ci Ari-1)

end compute the marind controllability subspace contained in vi*:

£: - {0}

& = v; * ((A & = + Im(B))

for $j = k^*$, if $\xi^{j+1} = \xi^j = P \xi_i^j = \xi^{k^*}$ $\forall j > k^*$.

Col $P_i^* = \xi_i^{k^*}$ and set $P_i^* = \bigcap_{i=1}^{m} P_i^*$ Aintersection

Proposition: Any F which solves SUCP is such that

(A+BF) P*C P*

Herefore a necessary and sufficient condition

for NSCP is 6 ((A+BF*)|_p+) C [[

(its spectrum does not despend on F)

F* contre used in order to verify if the previous condition holds.