(1) Calculate equilibrium solution with	$\sim 2(cT \circ c)^{-1}$
regards to rigid body modes	$\lambda_{N0} = AG(G^TAG)^{-1}e$
(2) Projector to natural subspace	$\mathbf{P} = \mathbf{I} - \mathbf{AG}(\mathbf{G}^T \mathbf{AG})^{-1} \mathbf{G}^T$
(3) Preconditioner	$S = \sum_{s} S^{[s]}$
(4) Coarse space equilibrium solution	$\underline{\boldsymbol{\lambda}_{\boldsymbol{C}0} = \boldsymbol{C}(\boldsymbol{C}^T\boldsymbol{F}\boldsymbol{C})^{-1}\boldsymbol{C}^T(\boldsymbol{d}-\boldsymbol{F}\boldsymbol{\lambda}_{\boldsymbol{N}0})}$
(5) Coarse space projector	$\underline{\mathbf{P}_c = \mathbf{I} - \mathbf{C}(\mathbf{C}^T \mathbf{F} \mathbf{C})^{-1} \mathbf{C}^T \mathbf{F}}$
$(6)\ Calculate\ residual (gap)\ in\ natural\ subspace$	$\mathbf{r}_0 = \mathbf{P}^T (\mathbf{d} - \mathbf{F} \boldsymbol{\lambda}_{\mathbf{N}0})$
(7) Calculate resulting forces (preconditioning)	$z = Sr_0$
(8) Remove rigid body-components of forces	$\mathbf{w}_0 = \mathbf{P}\mathbf{z}_0$
(9) Initialize	$\lambda_{F0} = 0, i = 0$
(10) While not converged	$\sqrt{\mathbf{r}_i^T \mathbf{z}_i} > \epsilon$
(11) Remove coarse space components of	_
gap-change due to forces \mathbf{w}_i	$q = \underline{P_c}^T Fw_i$
(12) Auxiliary parameter	$\delta_i = \mathbf{q}_i^{\ T} \mathbf{w}_i$
(13) Auxiliary parameter	$\gamma_i = \mathbf{r}_i^T \mathbf{z}_i$
(14) Step in the new direction	$oldsymbol{\lambda_{ extsf{F}}}_{i+1} = oldsymbol{\lambda_{ extsf{F}}}_i + (\gamma_i/\delta_i) oldsymbol{w}_i$
(15) Gap after force step	$\mathbf{r}_{i+1} = \mathbf{r}_i - (\gamma_i/\delta_i)\mathbf{P}^T\mathbf{q}_i$
(16) Calculate resulting forces (precondition	\overline{ning} $\mathbf{z}_{i+1} = \mathbf{S}r_{i+1}$
(17) Remove rigid body-components of for	$\mathbf{ces} \mathbf{w}_{i+1} = \mathbf{Pz}_{i+1}$
(18) Loop over previous iterations	for: $0 \le j \le i$
(19) Compute factor	$\phi_{i,j} = \mathbf{q}_j^T \mathbf{w}_{i+1}$
(20) Orhorgonalize to direction j	$\mathbf{w}_{i+1} \leftarrow \mathbf{w}_{i+1} - (\phi_{i,j}/\delta_j)\mathbf{w}_j$
(21) Increase iteration counter	$i \leftarrow i + 1$
(22) Compute total interface forces	$\lambda = \lambda_{N0} + \lambda_{C0} + \underline{P}_c \lambda_{Fi}$