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 $(\hat{A}^{+} - A)\mathbf{F} = [A_T - B_T C_T]D_T^{-1}\mathbf{F'F}$ *Editor: Peter C.B. Phillips Yale University*

$$\beta' y_t = U_{1t} = \underbrace{\beta' \varepsilon_t}_{u_{1t}} + \underbrace{(-G(F-I)y_{2t-1})}_{\tilde{u}_{1t}}$$

 $\beta' \Delta y_t = \Delta U_{1t} = \underbrace{\beta' \Delta \varepsilon_t}_{\Delta u_{1t}} + \underbrace{\left(-G(F-I)^2 y_{2t-2} - G(F-I) \varepsilon_{2t-1}\right)}_{\Delta \tilde{u}_{1t}}$

$$T^{-1} \sum_{t=1}^{T} \varepsilon_t y'_{2t-1} (I + G'G) \Rightarrow \begin{pmatrix} \Sigma_{11}^{1/2} & \int_0^1 dW_1 J'_C \Sigma_{22}^{1/2} \\ \\ \Sigma_{22}^{1/2} & \int_0^1 dW_2 J'_C \Sigma_{22}^{1/2} \end{pmatrix} (I + G'G)$$
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