T U T O R I A L

"Computational Mechanics"

to the lecture

"Numerical Methods in Continuum Mechanics 1"

$\boxed{\textbf{Tutorial 11}}$ Friday, Jun 13, 2008 (Time : $8^{\underline{30}}$ – $9^{\underline{15}}$ Room : SR T 1010)

$\boxed{39}$ Provide the detailed (i. e., for the iterates $\underline{u}_k$ and $\underline{\lambda}_k$) algorithm of the so-called Bramble-Pasciak-CG, which is nothing else but the with $\tilde{S}$ preconditioned CG for solving the system $S\underline{X} = \underline{F}$ (see Tutorial 10 Example 37).

$\boxed{40}$ Provide the corresponding iteration error estimate for the Bramble-Pasciak-CG (see Example 39), and compare the results to those of Example 37.