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 $(k_f^2 \int_0^t \int_{\Omega} |u_t|^2 dx dt + j_f^2 \int_0^t \int_{\Omega} |u|^2 dx dt) \leq C$ ;  
 We Get  $\int_0^t \int_{\Omega} (k_f^2 |u_t|^2 + j_f^2 |u|^2) dx dt \leq C$ : Integrating Over  $(0;t)$ , We  
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