

$\alpha \in K(\partial\Omega) \cap C_0^\infty(\bar{\Omega})$, $\beta \in C_c^\infty(K)$, $\chi \in C_c^\infty(\mathbb{R}^n)$, $\psi \in C_c^\infty(\mathbb{R}^n)$, $\Delta u/\chi \in L^p(K; dx)$, $\Delta u/\chi \in L^p(K; dx)$, $\Delta u/\chi \in L^p(K; dx)$.