Homework assignment, April 4, 2007.

Due Friday, 4/6 (collected)

1. Let $f \in C^3((\alpha, \beta))$, $x_0 \in (\alpha, \beta)$. Assume that $f'(x_0) = f''(x_0) = 0$ and that $f'''(x_0) \neq 0$. Prove that f cannot have extremum at x_0.