1092-34-24   **Johnny Henderson*** (`johnny_henderson@baylor.edu`), Department of Mathematics, Baylor University, Waco, TX 76798-7328. *Existence of local solutions for second order boundary value problems with integral conditions.*

Several basic fixed point theorems are applied for the existence of local solutions of the second order ordinary differential equation, $y'' + f(x, y, y') = 0$, satisfying the respective Dirichlet and nonlocal integral boundary conditions, $y(a) = A$ and $\int_a^b y(x)dx = B$. (Received June 26, 2013)

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