1023-M1-1795   **Rommel G. Regis*** (`rgr6@cornell.edu`). *Partial Latin Squares with the Sudoku Structure.* Preliminary report.

A partial Latin square Π of order n^2 is said to have a *Sudoku structure* if it has the property that for each $i, j = 1, \ldots, n$, each of the symbols $1, 2, \ldots, n^2$ occurs at most once in the subsquare defined by the rows $(i-1)n+1, \ldots, i \cdot n$ and columns $(j-1)n+1, \ldots, j \cdot n$ of Π. This paper will present some results on extending partial Latin squares with the Sudoku structure. (Received September 26, 2006)