# A Preliminary Report on Cims PL/I (Classic Reprint)

By Paul Abrahams

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from A Preliminary Report on Cims Pl/I CIMS PL/I is an implementation of a PL/I subset on the CDC 6600 computer. The subset is oriented towards compiler writing, and is sufficiently large so that the compiler itself could be conveniently written in it. The objective of this report is to set forth some of the more interesting aspects of the compiler and some of the conclusions that I drew from creating it. I had several initial objectives when I decided upon this project. One of them was to create a compiler for a useful programming language. That goal has been achieved, though it is now less significant since CDC has also produced a PL/I compiler. A second objective was to learn about compiling techniques. Compilation of PL/I is sufficiently difficult so that if one can compile PL/Ione can probably compile anything. A third objective was to gain more understanding of the characteristics of complex programs. A fourth objective was to stimulate thinking about programming language design. CIMS PL/I has been operational since October 1972 and consumed...

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