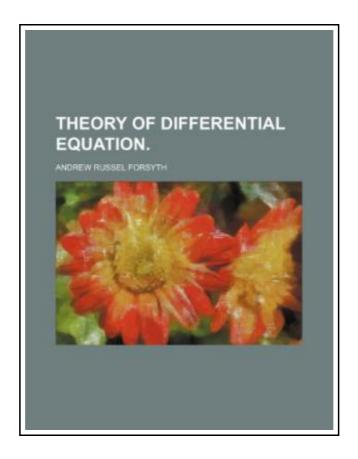
## Theory of Differential Equation.



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### Reviews

Thorough guideline! Its this type of good read. It is really simplistic but shocks from the 50 percent from the publication. It is extremely difficult to leave it before concluding, once you begin to read the book.

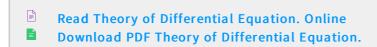
(Sallie Wiegand)

### THEORY OF DIFFERENTIAL EQUATION.



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Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1902 Excerpt: . function of degree m--y, shall have m--y--8 linearly independent regular integrals, is that JV shall be a product of the form QMD, where the indicial functions of, i/, D are of degrees 5, 0, m--y--b respectively, and D is of order m--y--b. Is there any limitation upon the order of M1 (Cayley.) Ex. 5. Shew that an equation QD = 0 has at least as many regular integrals as Z) = 0, and not more than Z0 and Z1 = 0 together; and that, if all the integrals of D=0 are regular, then QD--0 has as many regular integrals as Z2 = 0 and Z3 = 0 together. Hence (or otherwise) shew that, if an equation P=0 has all its integrals regular, then P can be resolved into a product of operators, each of the first order and such that, equated to zero, it has a regular integral. Is this resolution unique (Frobenius.) 78. In the two extreme cases, first, where the degree of the indicial function is equal to the order of the equation, and second, where its degree is zero, the number of regular integrals is equal to that degree. The preceding proposition shews that, in the intermediate cases, the degree merely gives an upper limit for the number of regular integrals. It is natural to enquire whether the number can fall below that upper limit. As a matter of fact, it is possible to construct equations, the number of whose...



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