

INTEGRALS (Continued)

- 591.
- 592.
- 593.
- 594.
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DEFINITE INTEGRALS

- 597.
- 598.
- 599.
- 600.
- 601. is finite if
- 602.
- 603. if
- 604.
- 605.
- 606.

DEFINITE INTEGRALS (Continued)**607.****608.**, where m and n are any positive real numbers.**609.****610.****611.****612.****613.****614.****615.****616.****617.**, if ; 0, if ; , if**618.****619.**

DEFINITE INTEGRALS (Continued)

620.

621., if ; 0, if ;

622.

623.

624.

625.

626., if is odd, or 0 if is even

627., if or ; , if ; , if

628.

629.

630.

DEFINITE INTEGRALS (Continued)**631.****632.****633.****634.****635.****636.****637.****638.****639.****640.** (a) (b)**641.****642.****643.****644.****645.****646.****647.**

DEFINITE INTEGRALS (Continued)

648.

649., m and n positive integers

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651.

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656.

657. The area enclosed by a curve defined through the equation where , c a positive odd integer and b a positive even integer is given by

658., where R denotes the region of space bounded by the co-ordinate planes and that portion of the surface , which lies in the first octant, and where , denote positive real numbers is given by

DEFINITE INTEGRALS (Continued)

659.

660.

661.

662.

663.

663a. Error Function

663b. Complimentary Error Function

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667.

668.

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DEFINITE INTEGRALS (Continued)

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DEFINITE INTEGRALS (Continued)

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690.

If replace by .

691.

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693.

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696.

697.

698.

699.

700.

701.

702., (same as integral 686)

703.

704.

705.

720.

721.

722.

723. [Euler's Constant]

724.

For n even:

725.

726.

For n odd:

727.

728.