INTEGRALS (Continued)

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FORMS INVOLVING TRIGONOMETRIC FUNCTIONS

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INTEGRALS (Continued)

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INTEGRALS (Continued)

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INTEGRALS (Continued)

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INTEGRALS (Continued)

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*340.
*341.
*342.
*343.

*In integrals 340-345 and some others, the right side includes expressions of the form

.

In these formulas, the   does not necessarily represent the principal value. Instead of always employing the principal branch of the inverse tangent function, one must instead use that branch of the inverse tangent function upon which   lies for any particular choice of *x*.

INTEGRALS (Continued)

*344.

*345.

346.

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348.

*349.

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352.

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354.

*See note on page 266.

INTEGRALS (Continued)

355.

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*360.

*361.

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INTEGRALS (Continued)

370.

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372.

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*374.

*375.

*376.

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383.

384.

*See note on page 266.

INTEGRALS (Continued)

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Note: [s] means greatest integer $\# s$; , , etc.

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See note integral 392.

INTEGRALS (Continued)

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412.

413.

INTEGRALS (Continued)

414., [use + if , otherwise –; k an integer]
415., [use + if , otherwise –; k an integer]
416., [use + if , otherwise –; k an integer]
417., [use + if , otherwise –; k an integer]
418., [use + if , otherwise –; k an integer]
419., [use + if , otherwise –; k an integer]
420.
421.
422.
423.
424.
425.
426.

INTEGRALS (Continued)

427.

428.

429.

430.

431.

432.

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437.

438.

INTEGRALS (Continued)

439.

440.

[use + if , otherwise –; k an integer]

FORMS INVOLVING INVERSE TRIGONOMETRIC FUNCTIONS

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