Integral Tables in CRC (29th edition): Errata

This list contains all known corrections to the integral tables appearing in
Standard Mathematical Tables and Formulae, W.H. Beyer, CRC, 29th edition,

• Integral number 144 : The “o” term should be replaced with “0”
• Integral number 334: For the second result, the two expressions should be
separated by a plus sign, not a minus sign
• Integral number 422 : The “tan x” term should be replaced with “tan ax”
• Integral number 607 : Needs the constraints: $n > 0, m > 0$
• Integral number 611 : The constraint “p < 1” should be “0 < p < 1”
• Integral number 612 : Is incorrect
• Integral number 618 : Needs the constraint: $a > 0$
• Integral number 619 : Needs the constraints: $a > 0$, $m > -1$, $n > -2$
• Integral number 625 : Needs the constraint: $a$ is an integer
• Integral number 629 : Needs the constraint: $m$ is an integer
• Integral number 630 : The “$\frac{\pi b}{2}$” term should be replaced with “$\frac{\pi|b|}{2}$”
• Integral number 633 : The “$\frac{\pi b}{2}$” term should be replaced with “$\frac{\pi|b|}{2}$”
• Integral number 643 : The constraint “$a < 1$” should be “$|a| < 1$”
• Integral number 646 : The “$\log \frac{b}{a}$” term should be replaced with “$\log |\frac{b}{a}|$”
• Integral number 647 : The “$\frac{\pi}{2ab}$” term should be replaced with “$\frac{\pi}{2|ab|}$”
• Integral number 653 : Needs the constraint: $m = 0, 1, 2, \ldots$
• Integral number 663a: Needs the constraint: $a > 0$
• Integral number 663b: Needs the constraint: $a > 0$
- Integral number 666: Needs the constraints: \( n > -\frac{1}{2}, \ a > 0 \)
- Integral number 667: Needs the constraint: \( n > -1 \)
- Integral number 669: The “\( a \leq 0 \)” term should be replaced with “\( a \geq 0 \)”
- Integral number 670: Needs the constraint: \( n > 0 \)
- Integral number 671: Needs the constraint: \( n > 0 \)
- Integral number 677: Needs the constraint: \( n > -1 \)
- Integral number 679: The “\( \frac{\sqrt{\pi} e^{-b^2/(4a^2)}}{2|a|} \)” term should be replaced with “\( \frac{\sqrt{\pi} e^{-b^2/(4a^2)}}{2|a|} \)”
- Integral number 684: Needs the constraint: \( n > -1 \)
- Integral number 712: The “\( \frac{\pi}{2b} \tanh \frac{a\pi}{2b} \)” term should be replaced with “\( \frac{\pi}{2b} \tanh \frac{a\pi}{2|a|} \)”
- Integral number 712: The “\( \alpha \)” term should be replaced with “\( a \)”
- Integral number 713: The “\( \frac{\pi}{2b} \)” term should be replaced with “\( \frac{\pi}{2|a|} \)”
- Integral number 714: Needs the constraint: \( a > 0 \)
- Integral number 717: Needs the constraint: \( b > 0 \)
- Integral number 718: Needs the constraint: \( b > 0 \)