

Errata

This is an errata to my Ph.D. dissertation entitled “The role of resurgence in the theory of asymptotic expansions”.

- (1) The third sentence after formula (1.13) on page 6 should begin “If the path $\mathcal{P}^{(e)}(\theta)$ changed continuously ...”.
- (2) The symbol “ $-\sigma_{em}$ ” in the last sentence of Subsection 1.4.1 on page 35 should be replaced by “ $-\sigma_{km}$ ”.
- (3) The second-to-last sentence on page 121 should begin “The quantities $\csc \varphi / \cos^M \varphi$ and $\csc^2 \varphi' / \cos^M \varphi' \dots$ ”.
- (4) The sentence after formula (3.24) on page 135 should read “Since for any $t \in \mathcal{C}^{(0,0)}(\frac{\pi}{2})$, it holds that $0 < \text{Im}(f(t) - f(i\beta)) = \text{Im} f(t) - (\tan \beta - \beta) < \text{Im} f(t)$, the new variable s is indeed positive on the adjacent contour $\mathcal{C}^{(0,0)}(\frac{\pi}{2})$.”.
- (5) The caption of Figure 3.5 on page 221 should begin “The steepest descent contour $\mathcal{P}^{(0)}(\theta)$ associated with the Anger–Weber function of equally large order and argument ...”.
- (6) Item [83] in the bibliography should read “_____, *Hyperasymptotics and the Stokes phenomenon*, Proc. Roy. Soc. Edinburgh Sect. A **123** (1993), no. 4, 731–743.”.