

Changes, Typos, Errata

[Book version 2016-2017]

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Page 554. Right-column, at the bottom, in the sentence "the calculation shows that $d\omega$ is the differential 2-form associates with rational" replace "rational" by "rotational".

Page 565. Left-column, in the first formula " $A_{;b}^a = \frac{\partial A^a}{\partial x^b} + \Gamma_{bk}^a A^k = A_b^a + \Gamma_{bk}^a A^k$ " replace " A_b^a " by " $A_{;b}^a$ ". Just after, in the sentence "and $A_{;k}^k$ is a *comma derivative*" replace " $A_{;k}^k$ " by " $A_{;k}^k$ ".

Page 103. In the first graphic, for the normal representation of z , replace " $r = re^{i\theta}$ " by " $z = re^{i\theta}$ ".

Page 362. In Def.828 (*Presheaf*), in (ii) replace " ρ_{UV} " by " ρ_{UU} ".

Page 370. In Def.859 (*Functor*), replace " $TA \in \text{Ob}(\mathcal{A})$ " by " $TA \in \text{Ob}(\mathcal{C})$ ".

Page 360. In Def.821 (*Covariant functor*), in " $F(f) : F(X) \rightarrow F(Y)$ in \mathcal{C} " replace " \mathcal{C} " by " \mathcal{D} ".

Page 362. In Def.831 (*Sheaf*), in the item (2) in " $s|_{U_i \cap U_j} = s_j|_{U_i \cap U_j}$," replace " $s|_{U_i \cap U_j}$ " by " $s_i|_{U_i \cap U_j}$ ".
