

## List of Corrections

Title of Thesis: Integral Inequalities of Hermite-Hadamard Type and Their Applications

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I am very thankful to the anonymous referees for pointing out typos. The following typos have been corrected in the final draft of the thesis before final submission.

Ser#	Typos	Correction
1	Page 1 line 5 from above, replace” sicnences” by “science”.	corrected
2	Page 7 at three places, the word” Ph.D.” has been typed as” P. hD.”. I believe it should be corrected.	corrected
3	Page 8 line 10 from above, "convex concave" be replaced by "convex, concave". In other words, there should be a comma between the words "convex" and "concave".	corrected
4	Page 15 line 1 from below, there should be. “.” at the end of this line.	corrected
5	Page 16 line 2 in the statement of Theorem 5, replace “exists” by "exist".	corrected
6	Page 17, put 11." at the end of the statements of Theorems 9 and 10.	corrected
7	Page 22 line 3 from below, replace “ $f(0) \leq 0$ by” by “ $f(0) \leq 0$ , will be denoted by”.	corrected
8	Page 24 line 12 from above, replace “If” by “if”.	corrected
9	Page 24 line 16, delete the word “be”.	corrected
10	Page 25 first line in Definition 34, replace “functions” by “function”.	corrected
11	Page 26 line 2 from above, put space between [168] and the word “For”.	corrected
12	Page 28 line 5 from below, replace “intervals” by “interval”.	corrected
13	Page 28 line 3 from below, replace “respect, if” by "respect to $\eta$ , if”.	corrected
14	Page 29 line 1 from below, add comma “,” at the end of this line.	corrected
15	Page 31 line 2 from above, replace “reference” by :reference”.	corrected
16	Page 31 line 7 from above, replace “A” by “As”.	corrected
17	Page 33 line 4 from above, delete the word "following" ..	corrected
18	Page 34 line 4 from below, replace “, Hölder” by”, then Hölder”.	corrected

19	Page 35 line 4 from above, replace “with $a < b$ . Then” by” with $a < b$ , the. Similar type of change is recommended in line 2 of the statement of Theorem 55 on page 36, and also in line 2 of the statement of Theorem 56 on page 37.	corrected
20	Page 37 line 7 from below, replace “A” by ”As”.	corrected
21	Page 39 line 4 from below, replace “Theorem 61, Theorem an” by “Theorem 61, Theorem 62 and”.	corrected
22	Page 43 line 4 from below, replace “f” by “If”.	corrected
23	Page 50 line 1 from above, delete “then”.	corrected
24	Page 50 line 4-5, replace “a inequalities” by “an inequality”. Page 50 line 3 in the statement of Theorem 88, replace “inequalities” by “inequality”.	corrected
25	Page 50 line 8 from above, replace “ $2q > p > 0$ . Then” by “ $2q > p > 0$ , then”.	corrected
26	Page 58 line 3 from below, replace “.” by “,” and then in the following line replace “Which” by “which”.	corrected
27	Page 69 line 7 from below, replace “Theorem” by “Theorem 117”.	corrected
28	Page 74 line 8 from below, replace “establishes” by “established.”	corrected
29	Page 76 line 5 from below, replace “theorem” by “Theorem 129”.	corrected
30	Page 78 line 3 from above, replace “exist” by “existing”.	corrected
31	Page 83 line 3 from above, replace “For” by “If”.	corrected
32	Page 84 line 6 from above, replace “ $q > 1$ , then” by “ $q > 1$ . Then”. Similar change is needed on the same page in line 3 from below.	corrected
33	Page 89 line 1 from above, insert the word “that” between the words “functions” and “already”.	corrected
34	Page 89 line 7 from above, delete the word “of” because it is repeated.	corrected
35	Page 89 line 12 from below, replace “contains of integral” by “contains integral”.	corrected
36	Page 92 line 3 from below, replace “and” by “and $n \in \mathbb{N}$ ”. Similar change is also needed in the statement of Lemmas 157, 158, 161 and 162.	corrected
37	Page 97 line 8 from below, replace “Lemma161” by “Lemma 161”. In other words, put space between the words “Lemma” and “161”.	corrected
38	Page 104 line 6 from below, replace “Section 4.2 to establish” by “Section 4.2 are used to establish”.	corrected
39	Page 110 line 1 from below, replace “Lemma 160 $\mu$ ” by “Lemma 160, $\mu$ “.	corrected
40	Page 118 line 2 from below, replace “on the this definition” by “on this definition”.	corrected
41	. Page 119 line 10 from above, delete “inequalities” as this word is repeated two times.	corrected
42	Page 119 line 11 from above, replace “exist” by “existing”, in line 14 replace “Section 5.2 this chapter” by “Section 5.2 of this chapter”., in the same line replace ”type by” by “type obtained by”.	corrected

43	Page 119 line 16, replace “given Lemma 96” by “given by Lemma 96”.	corrected
44	Page 119 line 9 from above, delete “of” between the words “special” and “non-negative”.	corrected
45	Page 121 line 9 from below, replace “A combining” by “On combining”.	corrected
46	Page 121 line 7 from below, replace “of if” by “of”.	corrected
47	Page 123 line 8 from below, replace “(0, 1). By using” by “(0, 1), hence by using”.	corrected
48	Page 127 line 11 from below, replace “holds” by “hold”.	corrected
49	Page 131 line 6 from below, replace “ $0 \leq \mu \leq 1$ . By using” by “ $0 \leq \mu \leq 1$ , then by using”.	corrected
50	Page 142 line 5 from below, delete “preinvex”.	corrected
51	Page 143 line 10 from below, insert “of” between the words “Applications” and “some”.	corrected
52	Page 143 line 13 from below, replace “inequalities with the” by “inequalities are obtained with”	corrected
53	Page 145 line 1 from below, replace “Which” by “This”.	corrected
54	Page 148 line 9 from below, replace “Which is” by “The above corollary is”.	corrected
55	Page 153 line 4 from above, replace “sides if” by “sides of”.	corrected
56	Page 155 line 1 from below, replace “Which is” by “The above corollary is”.	corrected
57	Page 165 line 1 from below, replace “the the” by “the”.	corrected
58	Page 171 line 8 from above, add the word “functions” between “log-preinvex” and “which”.	corrected
59	Page 171 line 12 from above, delete “type inequalities” as these words have been repeated.	corrected
60	Page 171 line 14 from above, replace “differentiable functions” by “differentiable”.	corrected
61	Page 184 line 9 from above, replace “Beta’s” by “Beta”.	corrected
62	Page 185 line 5 from below, replace “completed.” by “complete.”	corrected
63	Page 186 line 1 from below, replace “Beta’s” by “Beta”.	corrected
64	Page 186 line 2 from above, replace “If in” by “In”.	corrected
65	Page 187 line 8 from above, replace “completed” by “complete”.	corrected
66	Page 187 line 4 from below, replace “Beta’s” by “Beta”.	corrected
67	Page 187 line 3 from below, replace “. Then” by “, then”.	corrected
68	Page 189 line 3 from above, replace “An” by “by”.	corrected
69	Page 192 line from below, replace “Beta’s” by “Beta”.	corrected

70	Page 203 line 5 from below, replace “Which” by “The above”.	corrected
71	Page 203 line 4 from below, replace “Theorem 317, if” by “Theorem 317. If”	corrected
72	Page 206 line 10 from above, replace “identity” by “identities”.	corrected
73	Page 207 line 8 from above, replace “from”. by “form”.	corrected
74	Page 215 line 8 from below, replace “is proved” by “can be proved”.	corrected
75	Page 217 line from below, put a comma “,” at the end of the line.	corrected
76	Page 220 line 1 from above, delete “we” as it is repeated two times.	corrected
77	Page 230 line 4 from below, replace “,” by “.”.	corrected
78	Page 232 line 8 from below, replace “we one has” by “we have”.	corrected
79	Page 232 line 1 from below, replace “[ $a, b$ ], then” by “[ $a, b$ ]. Then”.	corrected
80	Page 233 line 8 from below, replace “Section 8.2 and Section 8.2” by “Section 8.2 and Section 8.3”.	corrected
81	Page 237 line 5 from below, replace “the the following” by “then the following”.	corrected
82	Page 239 line 7 from below, replace “Theorem335” by “Theorem 335”. In other words, put a space between “Theorem” and “335”.	corrected
83	Page 240 line 1 from below at the end of the line, replace “the” by “then”.	corrected
84	Page 242 line 1 from above, replace “the the” by “then the”.	corrected

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