

Pacific Journal of Mathematics

**CORRECTIONS TO: "ON AN INVERSION FOR THE GENERAL
MEHLER-FOCK TRANSFORM PAIR"**

PETER MICHAEL ROSENTHAL

Correction to

ON AN INVERSION FOR THE GENERAL
MEHLES-FOCK TRANSFORM PAIR

P. ROSENTHAL

Volume 52 (1974), 539-545

On p. 540, 543 we stated $h''(t)$, $c^{(j)}(x)$ were of bounded variation on the infinite intervals $\infty \geq t \geq 0$, $\infty \geq x \geq 0$, this implied the above functions could be written as the sum of two monotonic functions with certain properties, a result used in our proof. However our proof (implicit in our paper) that the above functions are of bounded variation on the infinite interval is in error. In order to obtain the desired decomposition used in our paper, part 1 of Theorem 1 should now read $g_1(y)$ is three times differentiable, part 2 should read $n = 0, 1, 2, 3$, part 1 of Theorem 2 should include $f_1''(x)$, part 2 should include $f'' = O(x^{-1-\epsilon})$. The proofs on p. 540, 543 still apply and we then conclude $h'''(t)$, $c^{(j)'}(x)$ are absolutely integrable on the infinite interval, we thus satisfy the conditions of a theorem on p. 11, 12 in 'Lectures on Fourier Integrals' by S. Bochner and then conclude $h''(t)$, $c^{(j)}(x)$ admit the desired decomposition used and stated in our paper on p. 540, 543. Hence the conclusions of Theorem 1, 2 Corollaries 1, 2 still apply as well as the closing remarks in our paper.

We also note the formulas $(1-w)^{-(1/2+k)}$, p. 540, $(\cosh h t - \cosh s)^{-1/2-k}$,

$\int_1^A |g(x)| dy$, p. 542 should be $(1-w)^{-(1/2-k)}$, $(\cosh t - \cosh s)^{-1/2-k}$,

$\int_1^A |g(y)| dy$, on p. 543 F should contain $\cosh t$ not $\cosh t$.

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Corrections to

WHEN ARE PROPER CYCLICS INJECTIVE

CARL FAITH

Volume 45 (1973), 97-112

There appear a number of typos:

- (a, b) indicates page a, line b; $A | B$ means replace A by B
- (97, 2) ring PCI | right PCI
- (98, -18) R -module | \hat{R} -module
- (100, -16) $Ry = R(1 - e) | \hat{R}y = \hat{R}(1 - e)$
- (109, 20) $R | \hat{R}$
- (109, 22) cyclic right R -module | cyclic right \hat{R} -module
- (109, -2) sepic | epic
- (110, 8) when $Q = R.$ | when $Q \neq R.$

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October, 1974

Walter Allegretto, <i>On the equivalence of two types of oscillation for elliptic operators</i>	319
Edward Arthur Bertram, <i>A density theorem on the number of conjugacy classes in finite groups</i>	329
Arne Brøndsted, <i>On a lemma of Bishop and Phelps</i>	335
Jacob Burbea, <i>Total positivity and reproducing kernels</i>	343
Ed Dubinsky, <i>Linear Pincherle sequences</i>	361
Benny Dan Evans, <i>Cyclic amalgamations of residually finite groups</i>	371
Barry J. Gardner and Patrick Noble Stewart, <i>A “going down” theorem for certain reflected radicals</i>	381
Jonathan Light Gross and Thomas William Tucker, <i>Quotients of complete graphs: revisiting the Heawood map-coloring problem</i>	391
Sav Roman Harasymiv, <i>Groups of matrices acting on distribution spaces</i>	403
Robert Winship Heath and David John Lutzer, <i>Dugundji extension theorems for linearly ordered spaces</i>	419
Chung-Wu Ho, <i>Deforming p. l. homeomorphisms on a convex polygonal 2-disk</i>	427
Richard Earl Hodel, <i>Metrizability of topological spaces</i>	441
Wilfried Imrich and Mark E. Watkins, <i>On graphical regular representations of cyclic extensions of groups</i>	461
Jozef Krasinkiewicz, <i>Remark on mappings not raising dimension of curves</i>	479
Melven Robert Krom, <i>Infinite games and special Baire space extensions</i>	483
S. Leela, <i>Stability of measure differential equations</i>	489
M. H. Lim, <i>Linear transformations on symmetric spaces</i>	499
Teng-Sun Liu, Arnoud C. M. van Rooij and Ju-Kwei Wang, <i>On some group algebra modules related to Wiener’s algebra M_1</i>	507
Dale Wayne Myers, <i>The back-and-forth isomorphism construction</i>	521
Donovan Harold Van Osdol, <i>Extensions of sheaves of commutative algebras by nontrivial kernels</i>	531
Alan Rahilly, <i>Generalized Hall planes of even order</i>	543
Joylyn Newberry Reed, <i>On completeness and semicompleteness of first countable spaces</i>	553
Alan Schwartz, <i>Generalized convolutions and positive definite functions associated with general orthogonal series</i>	565
Thomas Jerome Scott, <i>Monotonic permutations of chains</i>	583
Eivind Stensholt, <i>An application of Steinberg’s construction of twisted groups</i>	595
Yasuji Takeuchi, <i>On strongly radical extensions</i>	619
William P. Ziemer, <i>Some remarks on harmonic measure in space</i>	629
John Grant, <i>Corrections to: “Automorphisms definable by formulas”</i>	639
Peter Michael Rosenthal, <i>Corrections to: “On an inversion for the general Mehler-Fock transform pair”</i>	640
Carl Clifton Faith, <i>Corrections to: “When are proper cyclics injective”</i>	640