Pacific Journal of Mathematics

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

PETER MICHAEL ROSENTHAL

Vol. 55, No. 2 October 1974

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 $\infty \geqq t \geqq$, $\infty \geqq x \geqq 0$, 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 $f'' = O(x^{-1-\varepsilon})$. The proofs on p. 540, 543 still apply and we then conclude $h'''(t)$, $c^{(j)\prime}(x)$ 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, $(\cosh h\ t\text{-}\cosh s)^{-1/2-k}$, $\int_1^A |g(x)|\,dy$, p. 542 should $(1 - w)^{-(1/2-k)}$), $(\cosh t\text{-}\cosh s)^{-1/2-k}$, $\int_1^A |g(y)|\,dy$, 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; $A \mid B$ means replace A by B
(97, 2) ring PCI | right PCI
(98, −18) R-module | $\hat{R}$-module
(100, −16) $Ry = R(1 - e) \mid \hat{R}y = \hat{R}(1 - e)$
(109, 20) $R \mid \hat{R}$
(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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The *Pacific Journal of Mathematics* is issued monthly as of January 1966. Regular subscription rate: $72.00 a year (6 Vols., 12 issues). Special rate: $36.00 a year to individual members of supporting institutions.

Subscriptions, orders for back numbers, and changes of address should be sent to Pacific Journal of Mathematics, 103 Highland Boulevard, Berkeley, California, 94708.

PUBLISHED BY PACIFIC JOURNAL OF MATHEMATICS, A NON-PROFIT CORPORATION

Printed at Kokusai Bunken Insatsusha (International Academic Printing Co., Ltd.), 270, 3-chome Totsuka-cho, Shinjuku-ku, Tokyo 160, Japan.

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Vol. 55, No. 2 October, 1974