

It may not be amiss here to remark on the price of this outstanding book. At approximately \$80 the price comes to roughly 40 cents per page! Ouch! But, don't leave; there are roughly 30 lines per page compared to the  $\approx 40$  lines per page of Van der Waerden's *Algebra* (Viertel Auflage, Springer-Verlag (1959)), which is of comparable size. Thus, set in the denser Springer-Verlag mode, this book would shrink to  $3/4$ 's the present number of 215 pages, to  $\approx 155$  pages, which comes to  $\approx 55$  cents per page while Springer books average  $\leq 20$  cents per page!

I sympathize with an author's plight: He does not set prices! Regardless, I recommend this excellent text for *those who can afford it*. I found nary a typo, and the treatment of the selected topics is not only lucid but impeccable. It brought the same delight that I experienced reading Kaplansky's non-parallel *Commutative Rings* and Lambek's *Lectures on Rings and Modules*, which is to say that the author's love and command of the subject shines on every page.

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*Harmonic analysis in phase space*, by Gerald B. Folland. Princeton University Press, Princeton, NJ, 1989, \$17.50 (paper), \$55.00 (cloth). ISBN 0-691-08528-5

"The phrase *harmonic analysis in phase space* is a concise if somewhat inadequate name for the area of analysis  $\mathbf{R}^n$  that involves the Heisenberg group, quantization, the Weyl operational calculus, the metaplectic representation, wave packets, and related concepts: It is meant to suggest analysis *on* the configuration space  $\mathbf{R}^n$  done by working *in* the phase space  $\mathbf{R}^n \times \mathbf{R}^n$ . The ideas that fall under this rubric have originated in several fields—Fourier analysis, partial differential equations, mathematical physics, representation theory, and number theory, among others. As a result,