Corrections to our paper
“A Non-Classical Variational Problem Arising
from an Optimal Filter Problem”

in Vol. 26, pp. 281–304 (1967)

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P. 288, line 24. Delete “and $\eta'(\alpha)=0$.”

P. 289, formula (6.5). Add the term: $[z''(\alpha-0)-z''(\alpha+0)]\eta'(\alpha)$.

P. 289, line 12. Formula should read:

$$[z''(\alpha-0)-z''(\alpha+0)]\eta'(\alpha)-[z'''(\alpha-0)-z'''(\alpha+0)]\eta(\alpha)=0.$$

P. 289. Delete line 13 and replace by:

This relation holds for all admissible η . If we first take η such that $\eta'(\alpha)=0$, we get

$$z'''(\alpha-0)=z'''(\alpha+0).$$

If we then take η such that $\eta'(\alpha)\neq 0$ we get

$$z''(\alpha-0)=z''(\alpha+0)$$

and the lemma is proved.

P. 304, first line after (11.26). $a=2(15)^{\frac{1}{2}}$.

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(Received December 12, 1967)