

Title	Correction to "On the exponential decay of solutions of the wave equation with the potential function"
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CORRECTION TO
**“ON THE EXPONENTIAL DECAY OF SOLUTIONS
 OF THE WAVE EQUATION WITH THE
 POTENTIAL FUNCTION”**

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34 In [3] of References read “12” for “11.”

19 In (2.5) read “ $f_2(\lambda)$ ” for “ $f_k(\lambda)$.”

This alteration brings about the following:

19 In (2.6) and (2.7) read “ $(q(\cdot)f_k(\lambda)+g(\cdot))f_2^{-1}(\lambda)$ ” for “ $(q(\cdot)+g(\cdot))f_k^{-1}(\lambda)$.”

26 In (3.15) the right-hand side should be changed into

$$“(a^{(1)}(\cdot, \lambda)f_k(\lambda)+a^{(2)}(\cdot, \lambda))f_2^{-1}(\lambda).”$$

29 On lines 12 and 18 from the bottom read “ $f_2(\lambda)$ ” for “ $f_1(\lambda)$.”

29 In (3.22) the term in the square brackets should be replaced by

$$“(a^{(1)}(\cdot, \lambda)f_1(\lambda)+a^{(2)}(\cdot, \lambda))f_2^{-1}(\lambda).”$$

30 The estimate for $u_1(x, \lambda)$ should be replaced by

$$|u_1(x, \lambda)| \leq C e^{(\delta/2)|x|} (\|a^{(1)}(\cdot, \lambda)\|_\delta |f_1(\lambda)| + \|a^{(2)}(\cdot, \lambda)\|_\delta |f_2^{-1}(\lambda)|)$$

$$\leq \begin{cases} C e^{(\delta/2)|x|} ((\gamma + \operatorname{Re} \lambda)^{-2} |f_1(\lambda)| + (1 + (\mu + \operatorname{Re} \lambda)^{-1} + \\ \quad + (\mu + \operatorname{Re} \lambda)^{-2} |\lambda|^{-2}) |f_2^{-1}(\lambda)| & (\operatorname{Re} \lambda < 0) \\ C e^{(\delta/2)|x|} (|f_1(\lambda)| + |\lambda|^{-2} |f_2^{-1}(\lambda)| & (\operatorname{Re} \lambda \geq 0) . \end{cases}$$

30 On line 6 read “ $f_2(\lambda)$ ” for “ $f_1(\lambda)$.”

30 On line 14 from the bottom read “ $f_2(\lambda)$ ” for “ $f_2^{-1}(\lambda)$.”

Professor S.T. Kuroda also kindly pointed out the errors.

