On the contrary, we can prove that a soluble model such as Corngold's² is stable against small changes of $\Sigma_s(v)$ eventually due to experimental uncertainties in measuring the cross sections. The model used by Corngold,

$$
v' \Sigma_s(v', v) = \beta v' \Sigma_s(v') v \Sigma_s(v) M(v) ,
$$

leads to

$$
\widetilde{n}_{\lambda} = \beta M(v) \frac{v \Sigma_{s}(v) v_{0} \Sigma_{s}(v_{0})}{\lambda + v_{0} \Sigma(v_{0}) + i B v_{0} \mu_{0}} \frac{g(v, \lambda)}{1 - \beta b(\lambda)}
$$

+ $\delta(v - v_{0}) \frac{1}{\lambda + v \Sigma(v) + i B v \mu_{0}}$

with

$$
g(v, \lambda) = \frac{1}{2i B v} \ln \frac{\lambda + v \Sigma + i B v}{\lambda + v \Sigma - i B v}
$$

$$
b(\lambda) = \int_0^\infty (v \Sigma_s)^2 M(v) g(v, \lambda) dv.
$$

Let $\Sigma_{s}(v)$ differ from $\Sigma_{s}(v)$ by an error $\varepsilon(v)$ which is constant for simplicity: $\Sigma_s^{\prime}(v) = \Sigma_s(v) + \epsilon$. Then

$$
b'(\lambda) = b(\lambda) + \int_0^\infty dv(2v^2 M \Sigma_s \epsilon + v^2 \epsilon^2 M) g(v, \lambda)
$$

= $b(\lambda) + \eta_\epsilon(\lambda) \lim_{\epsilon \to 0} \eta_\epsilon(\lambda) \to 0$

and $\delta \widetilde{n}_{\lambda} = \widetilde{n}_{\lambda}' - \widetilde{n}_{\lambda}$ tends to zero when ϵ tends to zero, uniformly in λ .

It would probably be interesting to find the largest class of functions for the sections for which the inverse Laplace transform would be a stable procedure against the small (experimental) errors; however, because we ignore the true scattering kernel in regard to its analytic formula and we have it given at most by a histogram, we do not believe that one can find a function among the elements of this class that could be "brought closer to reality."³ At most, this class will be a class of mathematical rather than physical models.

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 3 R. CONN and N. CORNGOLD, Nucl. Sci. Eng., 37, 85 (1969).

Corrigendum

T. C. CHAWLA and B. M. HOGLUND, "Pressure Distribution for Axisymmetric Two-Dimensional Flow in a Plenum During Coolant Explusion," *Nucl. Sci. Eng.,* 43, 87 (1971).

On p. 89, Eqs. (17a) and (17b) are to be replaced by the following single equation that is applicable for both cases, viz., $m \neq n$ and $m = n$:

$$
P_{av}(0, t) = \rho g H + \rho \left[H + \frac{4}{b^2} \sum_{n=1}^{\infty} \frac{J_1^2(\alpha_n b)}{\alpha_n^3 J_0^2(\alpha_n a)} \right] \frac{d}{dt} \left(U_0 \frac{b^2}{a^2} \right)
$$

$$
- \frac{1}{2} \rho \left\{ \frac{8b^2}{a^4} U_0^2 \sum_{n=1}^{\infty} \frac{J_1^2(\alpha_n b)}{\alpha_n^2 J_0^4(\alpha_n a)} \left[J_0^2(\alpha_n b) + J_1^2(\alpha_n b) - \frac{1}{\alpha_n b} J_0(\alpha_n b) J_1(\alpha_n b) \right] \right\}
$$

$$
- \frac{1}{2} \rho \left\{ \frac{16b}{a^4} U_0^2 \sum_{m=1}^{\infty} \sum_{n=m+1}^{\infty} \frac{J_1(\alpha_m b) J_1(\alpha_n b)}{\alpha_m \alpha_n (\alpha_m - \alpha_n) J_0^2(\alpha_m a) J_0^2(\alpha_n a)}
$$

$$
\times [J_1(\alpha_m b) J_0(\alpha_n b) - J_0(\alpha_m b) J_1(\alpha_n b)]
$$

$$
+ \frac{8b^2}{a^4} U_0^2 \sum_{n=1}^{\infty} \frac{J_1^2(\alpha_n b)}{\alpha_n^2 J_0^2(\alpha_n a)} + P_a
$$
 (17)

 2 N. CORNGOLD, *Nucl. Sci. Eng.*, 19, 80 (1964).