

Errata

The following corrections, highlighted in red color, need to be observed:

1. The causality condition should read:

- causality condition: $Z_S(\omega)$ is analytic in $\text{Im}(\omega) \geq 0$, $|Z_S(\omega)|$ is square integrable over the real ω -axis and there is a real t_0 such that $Z_S(\omega)e^{-i\omega t_0} \rightarrow 0$ uniformly with regard to $\arg(\omega)$ for $|\omega| \rightarrow \infty$ in $\text{Im}(\omega) \geq 0$,

2. There are some misprints in Table I concerning the parameters of Hamet and Bérengier model corrected below in red.

Table 1: Parameters α , β , ω_1 , ω_2 and ω_3 for several square-root type impedance models as a function of the ground properties. The parameter λ is defined in Eq. (10).

Impedance model	α	β	ω_1	ω_2	ω_3
Hamet and Bérengier [31]	1	1	$\frac{\sigma_0 \Omega}{\rho_0 q^2}$	$\frac{\sigma_0}{\rho_0 \text{Pr}}$	$\frac{\gamma \sigma_0}{\rho_0 \text{Pr}}$

3. Eqs. (32) and (34) should read:

$$B_1(\omega) = Z_{S,\infty} e^{-\omega^+ t_n} [e^{i\omega x t_n} - 1], \quad (32)$$

$$|B_1(\omega)| \leq e^{-\omega^+ t_n} |Z_{S,\infty}| R|x|t_n e^{R|x|t_n}. \quad (34)$$

4. After Eq. (38), the parameter ω_1 of the variable porosity model should read $\omega_1 = c_0 \alpha_0 / (4\gamma)$