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Corrigendum

Panning, M. & Nolet, G., 2008. Surface wave tomography for azimuthal anisotropy in a strongly reduced parameter space (*Geophys. J. Int.,* **174,** 629–648)

The published version of Panning & Nolet (2008) had an error in the last term of Table 1, which listed the non-zero interaction coefficients for surface waves due to perturbations to an anisotropic model defined by $\delta\lambda$, $\delta\mu$, ϵ, δ and γ. The values for $\Omega_\gamma^{(5)}$ were inadvertently duplicated for $\Omega_\gamma^{(6)}$. The full table is reproduced here.

The supplementary material included a Fortran 90 subroutine calculating the various Ω terms, which was correct and can be used as published.

Table 1. Non-zero interaction coefficients for surface waves for perturbations to $\delta\lambda$, $\delta\mu$, ϵ, δ and γ.

	$\Omega_{\delta\lambda}$:
Rayleigh → Rayleigh	$\dot{U}''\dot{U}' - r^{-1}(\nu'\dot{U}''V' + \nu''V''\dot{U}') + \nu''\nu' r^{-2}V''V'$
	$\Omega_{\delta\mu}$:
Rayleigh → Rayleigh	$2\dot{U}''\dot{U}' + \cos\eta r^{-1}(\nu'\dot{V}''U' + \nu''U''\dot{V}') + \cos\eta\dot{V}''\dot{V}'$
	$+ \nu''\nu' r^{-2}\,[\cos\eta U''U' + 2\cos^2\eta V''V']$
Rayleigh → Love	$\sin\eta[\nu' r^{-1}\dot{W}''U' + \dot{W}''\dot{V}' + 2\nu''\nu' r^{-2}\cos\eta W''V']$
Love → Rayleigh	$-\sin\eta[\nu'' r^{-1}U''\dot{W}' + \dot{V}''\dot{W}' + 2\nu''\nu' r^{-2}\cos\eta V''W']$
Love → Love	$\cos\eta\dot{W}''\dot{W}' + \nu''\nu' r^{-2}\cos(2\eta)W''W'$
	$\Omega_\epsilon = 2\,\rho\,\alpha^2\,(\Omega_\epsilon^{(1)} + \Omega_\epsilon^{(2)} + \Omega_\epsilon^{(3)})$
	For $\Omega_\epsilon^{(1)}$:
Rayleigh → Rayleigh	$s_r^2\dot{A}''\dot{A}' + is_r r^{-1}[s_\theta''\nu''A''\dot{A}' - s_\theta'\nu'\dot{A}''A']$
	$+ \nu''\nu' r^{-2}s_,^\theta s_\theta''A''A'$
Rayleigh → Love	$-is_r^2 s_\phi''\dot{A}'\dot{W}'' + s_r r^{-1}[s_\theta''s_\phi''\nu''\dot{A}'W'' - s_\theta's_\phi''\nu'A'\dot{W}'']$
	$-\,i\nu''\nu' r^{-2}s_\theta''\,s_{\theta'}\,s''_\phi\;A\prime\;W''$
Love → Rayleigh	$is_r^2 s_\phi'\dot{W}'\dot{A}'' + s_r s_\phi' r^{-1}[s_\theta'\nu'W'\dot{A}'' - s_\theta''\nu''\dot{W}'A'']$
	$+\,i\;\nu''\;\nu'\;r^{-2}\;s_\theta{}'\;s_\phi{}'\;s_\theta''\;W'\;A''$
Love → Love	$s_r^2 s_\phi's_\phi''\dot{W}'\dot{W}'' + is_r s_\phi's_\phi'' r^{-1}[s_\theta''\nu''\dot{W}'W'' - s_\theta'\nu'W'\dot{W}'']$
	$+ \nu''\nu' r^{-2}s_\phi{}'\;s''_\phi\;s_{\theta'}\,s_\theta''\;W'\;W''$
	For $\Omega_\epsilon^{(2)}$:
Rayleigh → Rayleigh	$-(\dot{U}'' - \nu'' r^{-1}V'')(s_r\dot{A}' - i\nu' r^{-1}s_\theta'A')$
Love → Rayleigh	$-(\dot{U}'' - \nu'' r^{-1}V'')(is_\phi's_r\dot{W}' + \nu' r^{-1}s_\theta's_\phi'W')$
	For $\Omega_\epsilon^{(3)}$:
Rayleigh → Rayleigh	$-(\dot{U}' - \nu' r^{-1}V')(s_r\dot{A}'' + i\nu'' r^{-1}s_\theta''A'')$
Rayleigh → Love	$-(\dot{U}' - \nu' r^{-1}V')(-is_\phi''s_r\dot{W}'' + \nu'' r^{-1}s_\phi''s_\theta''W'')$
	$\Omega_\delta = 2\,\rho\,\alpha^2\,(\Omega_\delta^{(1)} + \Omega_\delta^{(2)} + \Omega_\delta^{(3)})$
	$\Omega_\delta^{(1)} = -\frac{1}{2}\Omega_\epsilon^{(2)}$
	$\Omega_\delta^{(2)} = -\frac{1}{2}\Omega_\epsilon^{(3)}$
	$\Omega_\delta^{(3)} = -\,\Omega_\epsilon^{(1)}$
	$\Omega_\gamma = -2\rho\beta^2\sum_{i=1}^{6}\Omega_\gamma^{(i)}$
	$\Omega_\gamma^{(1)} = 2\,\Omega_\epsilon^{(2)}$
	$\Omega_\gamma^{(2)} = 2\,\Omega_\epsilon^{(3)}$

Table 1. (*Continued.*)

	For $\Omega_\gamma^{(3)}$:
Rayleigh → Rayleigh	$s_r^2[\dot{U}''\dot{U}' + \cos\eta\dot{V}''\dot{V}'] - i\nu' r^{-1} s_r s_\theta' [\dot{U}'' U' + \dot{V}'' V' \cos\eta]$
	$+ i\nu'' r^{-1} s_r s_\theta'' [U''\dot{U}' + V''\dot{V}' \cos\eta]$
	$+ \nu''\ \nu'\ r^{-2}\ s_\theta{}'\ s_\theta''\ [U''\ U' + V''\ V' \cos\eta]$
Rayleigh → Love	$\sin\eta[s_r^2\dot{W}''\dot{V}' - i\nu' r^{-1} s_r s_\theta' \dot{W}'' V' + i\nu'' r^{-1} s_r s_\theta'' W''\dot{V}'$
	$+ \nu''\ \nu'\ r^{-2}\ s_\theta{}' s_\theta''\ W''\ V']$
Love → Rayleigh	$-\ \sin\eta[s_r^2\dot{V}''\dot{W}' - i\nu' r^{-1} s_r s_\theta' \dot{V}'' W' + i\nu'' r^{-1} s_r s_\theta'' V''\dot{W}'$
	$+ \nu''\ \nu'\ r^{-2}\ s_\theta{}'\ s_\theta''\ V''\ W']$
Love → Love	$\cos\eta[s_r^2\dot{W}''\dot{W}' - i\nu' r^{-1} s_r s_\theta' \dot{W}'' W' + i\nu'' r^{-1} s_r s_\theta'' W''\dot{W}'$
	$+ \nu''\ \nu'\ r^{-2}\ s_\theta{}'\ s_\theta''\ W''\ W']$
	For $\Omega_\gamma^{(4)}$:
Rayleigh → Rayleigh	$s_r^2[\dot{U}''\dot{U}' + \nu''\nu' r^{-2}\cos\eta U'' U'] - i s_r s_\theta' [\dot{U}''\dot{V}' + \nu''\nu' r^{-2}\cos\eta U'' V']$
	$+ s_\theta' s_\theta'' [\dot{V}''\dot{V}' + \nu''\nu' r^{-2}\cos\eta V'' V']$
	$+ i s_r s_\theta'' [\dot{V}''\dot{U}' + \nu''\nu' r^{-2}\cos\eta V'' U']$
Rayleigh → Love	$- s_\phi'' s_\theta' [\dot{W}''\dot{V}' + \nu''\nu' r^{-2}\cos\eta W'' V']$
	$- i s_\phi'' s_r [\dot{W}''\dot{U}' + \nu''\nu' r^{-2}\cos\eta W'' U']$
Love → Rayleigh	$i s_r s_\phi' [\dot{U}''\dot{W}' + \nu''\nu' r^{-2}\cos\eta U'' W']$
	$- s_\theta'' s_\phi' [\dot{V}''\dot{W}' + \nu''\nu' r^{-2}\cos\eta V'' W']$
Love → Love	$s_\phi' s_\phi'' [\dot{W}''\dot{W}' + \nu''\nu' r^{-2}\cos\eta W'' W']$
	For $\Omega_\gamma^{(5)}$:
Rayleigh → Rayleigh	$s_r^2[\dot{U}''\dot{U}' + \nu'' r^{-1}\cos\eta U''\dot{V}']$
	$- i\nu' r^{-1} s_r s_\theta' [\dot{U}'' U' + \nu'' r^{-1}\cos\eta U'' V']$
	$+ i s_r s_\theta'' [\dot{V}''\dot{U}' + \nu'' r^{-1}\cos\eta V''\dot{V}']$
	$+ \nu' r^{-1} s_\theta'' s_\theta' [\dot{V}'' U' + \nu'' r^{-1}\cos\eta V'' V']$
Rayleigh → Love	$- i s_\phi'' s_r \dot{W}''\dot{U}' - i\nu'' r^{-1} s_\phi'' s_r \cos\eta W''\dot{V}'$
	$- \nu' r^{-1} s_\phi'' s_\theta' (\dot{W}'' U' + \nu'' r^{-1}\cos\eta W'' V')$
Love → Rayleigh	$- i\nu'' r^{-1} s_r s_\theta'' \sin\eta V''\dot{W}' + i\nu''\nu' r^{-2} s_r s_\theta' \sin\eta U'' W'$
	$-\nu''\nu' r^{-2} s_\theta' s_\theta'' \sin\eta V'' W' - \nu'' r^{-1} s_r^2 \sin\eta U''\dot{W}'$
Love → Love	$i\nu'' r^{-1} s_\phi'' s_r \sin\eta W''\dot{W}' + \nu''\nu' r^{-2} s_\theta' s_\phi'' \sin\eta W'' W'$
	For $\Omega_\gamma^{(6)}$:
Rayleigh → Rayleigh	$s_r\dot{U}''\dot{A}' + i\nu'' r^{-1} s_\theta'' U''\dot{A}' + \nu' r^{-1} s_r \cos\eta\dot{V}'' A'$
	$+ i\nu''\nu' r^{-2} s_\theta'' \cos\eta V'' A'$
Rayleigh → Love	$\nu' r^{-1} s_r \sin\eta\dot{W}'' A' + i\nu''\nu' r^{-2} s_\theta'' \sin\eta W'' A'$
Love → Rayleigh	$i s_\phi' s_r \dot{U}''\dot{W}' - \nu'' r^{-1} s_\theta'' s_\phi' U''\dot{W}'$
	$+ i\nu' r^{-1} s_r s_\phi' \cos\eta\dot{V}'' W' - s_\phi' s_\theta'' \nu''\nu' r^{-2}\cos\eta V'' W'$
Love → Love	$i\nu' r^{-1} s_r s_\phi' \sin\eta\dot{W}'' W' - \nu''\nu' r^{-2} s_\theta'' s_\phi' \sin\eta W'' W'$

REFERENCES

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