Covariant SVT

Metric

$h_{00} = -2\phi$

$h_{0i} = \nabla_i B + B_i$

$h_{ij} = -2\psi + 2\nabla_i\nabla_j E + \nabla_i E_j + \nabla_j E_i + 2E_{ij}$

Conditions

$\nabla_i B^i = \nabla_i E^i = 0$

$\nabla_i E^{ij} = 0$

$g_{ij} E^{ij} = 0$

Laplacian

$\nabla^2 = \nabla_i \nabla^i$

$\delta G_{\mu\nu}$ Ω=1

00	$(-2\nabla^2\psi) + (0) + (0)$
11	$(-g_{11}\nabla^2\phi + g_{11}\nabla^2\psi - g_{11}\nabla^2\nabla_0 B + g_{11}\nabla^2\nabla_0\nabla_0 E - 2g_{11}\nabla_0\nabla_0\psi + \nabla_1\nabla_1\phi - \nabla_1\nabla_1\psi + \nabla_1\nabla_1\nabla_0 B - \nabla_1\nabla_1\nabla_0\nabla_0 E) + (\nabla_1\nabla_0 B_1 - \nabla_1\nabla_0\nabla_0 E_1) + (\nabla^2 E_{11} - \nabla_0\nabla_0 E_{11})$
22	$(-g_{22}\nabla^2\phi + g_{22}\nabla^2\psi - g_{22}\nabla^2\nabla_0 B + g_{22}\nabla^2\nabla_0\nabla_0 E - 2g_{22}\nabla_0\nabla_0\psi + \nabla_2\nabla_2\phi - \nabla_2\nabla_2\psi + \nabla_2\nabla_2\nabla_0 B - \nabla_2\nabla_2\nabla_0\nabla_0 E) + (\nabla_2\nabla_0 B_2 - \nabla_2\nabla_0\nabla_0 E_2) + (\nabla^2 E_{22} - \nabla_0\nabla_0 E_{22})$
33	$(-g_{33}\nabla^2\phi + g_{33}\nabla^2\psi - g_{33}\nabla^2\nabla_0 B + g_{33}\nabla^2\nabla_0\nabla_0 E - 2g_{33}\nabla_0\nabla_0\psi + \nabla_3\nabla_3\phi - \nabla_3\nabla_3\psi + \nabla_3\nabla_3\nabla_0 B - \nabla_3\nabla_3\nabla_0\nabla_0 E) + (\nabla_3\nabla_0 B_3 - \nabla_3\nabla_0\nabla_0 E_3) + (\nabla^2 E_{33} - \nabla_0\nabla_0 E_{33})$
01	$(-2\nabla_1\nabla_0\psi) + (\frac{\nabla^2 B_1}{2} - \frac{1}{2}\nabla^2\nabla_0 E_1) + (0)$
02	$(-2\nabla_2\nabla_0\psi) + (\frac{\nabla^2 B_2}{2} - \frac{1}{2}\nabla^2\nabla_0 E_2) + (0)$
03	$(-2\nabla_3\nabla_0\psi) + (\frac{\nabla^2 B_3}{2} - \frac{1}{2}\nabla^2\nabla_0 E_3) + (0)$
12	$(\nabla_2\nabla_1\phi - \nabla_2\nabla_1\psi + \nabla_2\nabla_1\nabla_0 B - \nabla_2\nabla_1\nabla_0\nabla_0 E) + (\frac{1}{2}\nabla_1\nabla_0 B_2 - \frac{1}{2}\nabla_1\nabla_0\nabla_0 E_2 + \frac{1}{2}\nabla_2\nabla_0 B_1 - \frac{1}{2}\nabla_2\nabla_0\nabla_0 E_1) + (\nabla^2 E_{12} - \nabla_0\nabla_0 E_{12})$
13	$(\nabla_3\nabla_1\phi - \nabla_3\nabla_1\psi + \nabla_3\nabla_1\nabla_0 B - \nabla_3\nabla_1\nabla_0\nabla_0 E) + (\frac{1}{2}\nabla_1\nabla_0 B_3 - \frac{1}{2}\nabla_1\nabla_0\nabla_0 E_3 + \frac{1}{2}\nabla_3\nabla_0 B_1 - \frac{1}{2}\nabla_3\nabla_0\nabla_0 E_1) + (\nabla^2 E_{13} - \nabla_0\nabla_0 E_{13})$
23	$(\nabla_3\nabla_2\phi - \nabla_3\nabla_2\psi + \nabla_3\nabla_2\nabla_0 B - \nabla_3\nabla_2\nabla_0\nabla_0 E) + (\frac{1}{2}\nabla_2\nabla_0 B_3 - \frac{1}{2}\nabla_2\nabla_0\nabla_0 E_3 + \frac{1}{2}\nabla_3\nabla_0 B_2 - \frac{1}{2}\nabla_3\nabla_0\nabla_0 E_2) + (\nabla^2 E_{23} - \nabla_0\nabla_0 E_{23})$

$\delta G_{\mu\nu}$ $\Omega = \Omega[t]$

00	$(-2\nabla^2\psi + \frac{2\nabla^2 B\,\Omega'[t]}{\Omega[t]} - \frac{2\nabla^2\nabla_0 E\,\Omega'[t]}{\Omega[t]} + \frac{6\nabla_0\psi\,\Omega'[t]}{\Omega[t]}) + (0) + (0)$
11	$(-g_{11}\nabla^2\phi + g_{11}\nabla^2\psi - g_{11}\nabla^2\nabla_0 B + g_{11}\nabla^2\nabla_0\nabla_0 E - 2g_{11}\nabla_0\nabla_0\psi + \nabla_1\nabla_1\phi - \nabla_1\nabla_1\psi + \nabla_1\nabla_1\nabla_0 B - \nabla_1\nabla_1\nabla_0\nabla_0 E - \frac{2g_{11}\nabla^2 B\,\Omega'[t]}{\Omega[t]} + \frac{2g_{11}\nabla^2\nabla_0 E\,\Omega'[t]}{\Omega[t]} - \frac{2g_{11}\nabla_0\phi\,\Omega'[t]}{\Omega[t]} - \frac{4g_{11}\nabla_0\psi\,\Omega'[t]}{\Omega[t]} + \frac{2\nabla_1\nabla_1 B\,\Omega'[t]}{\Omega[t]} - \frac{2\nabla_1\nabla_1\nabla_0 E\,\Omega'[t]}{\Omega[t]} + \frac{2g_{11}\phi\,\Omega'[t]^2}{\Omega[t]^2} + \frac{2g_{11}\psi\,\Omega[t]^2}{\Omega[t]^2} - \frac{2\nabla_1\nabla_1 E\,\Omega'[t]^2}{\Omega[t]^2} - \frac{4g_{11}\phi\,\Omega''[t]}{\Omega[t]} - \frac{4g_{11}\psi\,\Omega''[t]}{\Omega[t]} + \frac{4\nabla_1\nabla_1 E\,\Omega''[t]}{\Omega[t]}) + (\nabla_1\nabla_0 B_1 - \nabla_1\nabla_0\nabla_0 E_1 + \frac{2\nabla_1 B_1\,\Omega'[t]}{\Omega[t]} - \frac{2\nabla_1\nabla_0 E_1\,\Omega'[t]}{\Omega[t]} - \frac{2\nabla_1 E_1\,\Omega'[t]^2}{\Omega[t]^2} + \frac{4\nabla_1 E_1\,\Omega''[t]}{\Omega[t]}$

22	$(-g_{22}\,\nabla^2\phi + g_{22}\,\nabla^2\psi - g_{22}\,\nabla^2\nabla_0 B + g_{22}\,\nabla^2\nabla_0\nabla_0 E - 2\,g_{22}\,\nabla_0\nabla_0\psi + \nabla_2\nabla_2\phi - \nabla_2\nabla_2\psi + \nabla_2\nabla_2\nabla_0 B - \nabla_2\nabla_2\nabla_0\nabla_0 E - \frac{2\,g_{22}\,\nabla^2 B\,\Omega'[t]}{\Omega[t]} + \frac{2\,g_{22}\,\nabla^2\nabla_0 E\,\Omega'[t]}{\Omega[t]} - \frac{2\,g_{22}\,\nabla_0\phi\,\Omega'[t]}{\Omega[t]} - \frac{4\,g_{22}\,\nabla_0\psi\,\Omega'[t]}{\Omega[t]} + \frac{2\,\nabla_2\nabla_2 B\,\Omega'[t]}{\Omega[t]} - \frac{2\,\nabla_2\nabla_2\nabla_0 E\,\Omega'[t]}{\Omega[t]} + \frac{2\,g_{22}\,\phi\,\Omega'[t]^2}{\Omega[t]^2} + \frac{2\,g_{22}\,\psi\,\Omega'[t]^2}{\Omega[t]^2} - \frac{2\,\nabla_2\nabla_2 E\,\Omega'[t]^2}{\Omega[t]^2} - \frac{4\,g_{22}\,\phi\,\Omega''[t]}{\Omega[t]} - \frac{4\,g_{22}\,\psi\,\Omega''[t]}{\Omega[t]} + \frac{4\,\nabla_2\nabla_2 E\,\Omega''[t]}{\Omega[t]}) + (\nabla_2\nabla_0 B_2 - \nabla_2\nabla_0\nabla_0 E_2 + \frac{2\,\nabla_2 B_2\,\Omega'[t]}{\Omega[t]} - \frac{2\,\nabla_2\nabla_0 E_2\,\Omega'[t]}{\Omega[t]} - \frac{2\,\nabla_2 E_2\,\Omega'[t]^2}{\Omega[t]^2} + \frac{4\,\nabla_2 E_2\,\Omega''[t]}{\Omega[t]}) + (\nabla^2 E_{22} - \nabla_0\nabla_0 E_{22} - \frac{2\,\nabla_0 E_{22}\,\Omega'[t]}{\Omega[t]} - \frac{2\,E_{22}\,\Omega'[t]^2}{\Omega[t]^2} + \frac{4\,E_{22}\,\Omega''[t]}{\Omega[t]})$
33	$(-g_{33}\,\nabla^2\phi + g_{33}\,\nabla^2\psi - g_{33}\,\nabla^2\nabla_0 B + g_{33}\,\nabla^2\nabla_0\nabla_0 E - 2\,g_{33}\,\nabla_0\nabla_0\psi + \nabla_3\nabla_3\phi - \nabla_3\nabla_3\psi + \nabla_3\nabla_3\nabla_0 B - \nabla_3\nabla_3\nabla_0\nabla_0 E - \frac{2\,g_{33}\,\nabla^2 B\,\Omega'[t]}{\Omega[t]} + \frac{2\,g_{33}\,\nabla^2\nabla_0 E\,\Omega'[t]}{\Omega[t]} - \frac{2\,g_{33}\,\nabla_0\phi\,\Omega'[t]}{\Omega[t]} - \frac{4\,g_{33}\,\nabla_0\psi\,\Omega'[t]}{\Omega[t]} + \frac{2\,\nabla_3\nabla_3 B\,\Omega'[t]}{\Omega[t]} - \frac{2\,\nabla_3\nabla_3\nabla_0 E\,\Omega'[t]}{\Omega[t]} + \frac{2\,g_{33}\,\phi\,\Omega'[t]^2}{\Omega[t]^2} + \frac{2\,g_{33}\,\psi\,\Omega'[t]^2}{\Omega[t]^2} - \frac{2\,\nabla_3\nabla_3 E\,\Omega'[t]^2}{\Omega[t]^2} - \frac{4\,g_{33}\,\phi\,\Omega''[t]}{\Omega[t]} - \frac{4\,g_{33}\,\psi\,\Omega''[t]}{\Omega[t]} + \frac{4\,\nabla_3\nabla_3 E\,\Omega''[t]}{\Omega[t]}) + (\nabla_3\nabla_0 B_3 - \nabla_3\nabla_0\nabla_0 E_3 + \frac{2\,\nabla_3 B_3\,\Omega'[t]}{\Omega[t]} - \frac{2\,\nabla_3\nabla_0 E_3\,\Omega'[t]}{\Omega[t]} - \frac{2\,\nabla_3 E_3\,\Omega'[t]^2}{\Omega[t]^2} + \frac{4\,\nabla_3 E_3\,\Omega''[t]}{\Omega[t]}) + (\nabla^2 E_{33} - \nabla_0\nabla_0 E_{33} - \frac{2\,\nabla_0 E_{33}\,\Omega'[t]}{\Omega[t]} - \frac{2\,E_{33}\,\Omega'[t]^2}{\Omega[t]^2} + \frac{4\,E_{33}\,\Omega''[t]}{\Omega[t]})$
01	$(-2\,\nabla_1\nabla_0\psi - \frac{2\,\nabla_1\phi\,\Omega'[t]}{\Omega[t]} - \frac{\nabla_1 B\,\Omega'[t]^2}{\Omega[t]^2} + \frac{2\,\nabla_1 B\,\Omega''[t]}{\Omega[t]}) + (\frac{\nabla^2 B_1}{2} - \frac{1}{2}\nabla^2\nabla_0 E_1 - \frac{B_1\,\Omega'[t]^2}{\Omega[t]^2} + \frac{2\,B_1\,\Omega''[t]}{\Omega[t]}) + (0)$
02	$(-2\,\nabla_2\nabla_0\psi - \frac{2\,\nabla_2\phi\,\Omega'[t]}{\Omega[t]} - \frac{\nabla_2 B\,\Omega'[t]^2}{\Omega[t]^2} + \frac{2\,\nabla_2 B\,\Omega''[t]}{\Omega[t]}) + (\frac{\nabla^2 B_2}{2} - \frac{1}{2}\nabla^2\nabla_0 E_2 - \frac{B_2\,\Omega'[t]^2}{\Omega[t]^2} + \frac{2\,B_2\,\Omega''[t]}{\Omega[t]}) + (0)$
03	$(-2\,\nabla_3\nabla_0\psi - \frac{2\,\nabla_3\phi\,\Omega'[t]}{\Omega[t]} - \frac{\nabla_3 B\,\Omega'[t]^2}{\Omega[t]^2} + \frac{2\,\nabla_3 B\,\Omega''[t]}{\Omega[t]}) + (\frac{\nabla^2 B_3}{2} - \frac{1}{2}\nabla^2\nabla_0 E_3 - \frac{B_3\,\Omega'[t]^2}{\Omega[t]^2} + \frac{2\,B_3\,\Omega''[t]}{\Omega[t]}) + (0)$
12	$(\nabla_2\nabla_1\phi - \nabla_2\nabla_1\psi + \nabla_2\nabla_1\nabla_0 B - \nabla_2\nabla_1\nabla_0\nabla_0 E + \frac{2\,\nabla_2\nabla_1 B\,\Omega'[t]}{\Omega[t]} - \frac{2\,\nabla_2\nabla_1\nabla_0 E\,\Omega'[t]}{\Omega[t]} - \frac{2\,\nabla_2\nabla_1 E\,\Omega'[t]^2}{\Omega[t]^2} + \frac{4\,\nabla_2\nabla_1 E\,\Omega''[t]}{\Omega[t]}) + (\frac{1}{2}\nabla_1\nabla_0 B_2 - \frac{1}{2}\nabla_1\nabla_0\nabla_0 E_2 + \frac{1}{2}\nabla_2\nabla_0 B_1 - \frac{1}{2}\nabla_2\nabla_0\nabla_0 E_1 + \frac{\nabla_1 B_2\,\Omega'[t]}{\Omega[t]} - \frac{\nabla_1\nabla_0 E_2\,\Omega'[t]}{\Omega[t]} + \frac{\nabla_2 B_1\,\Omega'[t]}{\Omega[t]} - \frac{\nabla_2\nabla_0 E_1\,\Omega'[t]}{\Omega[t]} - \frac{\nabla_1 E_2\,\Omega'[t]^2}{\Omega[t]^2} - \frac{\nabla_2 E_1\,\Omega'[t]^2}{\Omega[t]^2} + \frac{2\,\nabla_1 E_2\,\Omega''[t]}{\Omega[t]} + \frac{2\,\nabla_2 E_1\,\Omega''[t]}{\Omega[t]}) + (\nabla^2 E_{12} - \nabla_0\nabla_0 E_{12} - \frac{2\,\nabla_0 E_{12}\,\Omega'[t]}{\Omega[t]} - \frac{2\,E_{12}\,\Omega'[t]^2}{\Omega[t]^2} + \frac{4\,E_{12}\,\Omega''[t]}{\Omega[t]})$
13	$(\nabla_3\nabla_1\phi - \nabla_3\nabla_1\psi + \nabla_3\nabla_1\nabla_0 B - \nabla_3\nabla_1\nabla_0\nabla_0 E + \frac{2\,\nabla_3\nabla_1 B\,\Omega'[t]}{\Omega[t]} - \frac{2\,\nabla_3\nabla_1\nabla_0 E\,\Omega'[t]}{\Omega[t]} - \frac{2\,\nabla_3\nabla_1 E\,\Omega'[t]^2}{\Omega[t]^2} + \frac{4\,\nabla_3\nabla_1 E\,\Omega''[t]}{\Omega[t]}) + (\frac{1}{2}\nabla_1\nabla_0 B_3 - \frac{1}{2}\nabla_1\nabla_0\nabla_0 E_3 + \frac{1}{2}\nabla_3\nabla_0 B_1 - \frac{1}{2}\nabla_3\nabla_0\nabla_0 E_1 + \frac{\nabla_1 B_3\,\Omega'[t]}{\Omega[t]} - \frac{\nabla_1\nabla_0 E_3\,\Omega'[t]}{\Omega[t]} + \frac{\nabla_3 B_1\,\Omega'[t]}{\Omega[t]} - \frac{\nabla_3\nabla_0 E_1\,\Omega'[t]}{\Omega[t]} - \frac{\nabla_1 E_3\,\Omega'[t]^2}{\Omega[t]^2} - \frac{\nabla_3 E_1\,\Omega'[t]^2}{\Omega[t]^2} + \frac{2\,\nabla_1 E_3\,\Omega''[t]}{\Omega[t]} + \frac{2\,\nabla_3 E_1\,\Omega''[t]}{\Omega[t]}) + (\nabla^2 E_{13} - \nabla_0\nabla_0 E_{13} - \frac{2\,\nabla_0 E_{13}\,\Omega'[t]}{\Omega[t]} - \frac{2\,E_{13}\,\Omega'[t]^2}{\Omega[t]^2} + \frac{4\,E_{13}\,\Omega''[t]}{\Omega[t]})$
23	$(\nabla_3\nabla_2\phi - \nabla_3\nabla_2\psi + \nabla_3\nabla_2\nabla_0 B - \nabla_3\nabla_2\nabla_0\nabla_0 E + \frac{2\,\nabla_3\nabla_2 B\,\Omega'[t]}{\Omega[t]} - \frac{2\,\nabla_3\nabla_2\nabla_0 E\,\Omega'[t]}{\Omega[t]} - \frac{2\,\nabla_3\nabla_2 E\,\Omega'[t]^2}{\Omega[t]^2} + \frac{4\,\nabla_3\nabla_2 E\,\Omega''[t]}{\Omega[t]}) + (\frac{1}{2}\nabla_2\nabla_0 B_3 - \frac{1}{2}\nabla_2\nabla_0\nabla_0 E_3 + \frac{1}{2}\nabla_3\nabla_0 B_2 - \frac{1}{2}\nabla_3\nabla_0\nabla_0 E_2 + \frac{\nabla_2 B_3\,\Omega'[t]}{\Omega[t]} - \frac{\nabla_2\nabla_0 E_3\,\Omega'[t]}{\Omega[t]} + \frac{\nabla_3 B_2\,\Omega'[t]}{\Omega[t]} - \frac{\nabla_3\nabla_0 E_2\,\Omega'[t]}{\Omega[t]} - \frac{\nabla_2 E_3\,\Omega'[t]^2}{\Omega[t]^2} - \frac{\nabla_3 E_2\,\Omega'[t]^2}{\Omega[t]^2} + \frac{2\,\nabla_2 E_3\,\Omega''[t]}{\Omega[t]} + \frac{2\,\nabla_3 E_2\,\Omega''[t]}{\Omega[t]}) + (\nabla^2 E_{23} - \nabla_0\nabla_0 E_{23} - \frac{2\,\nabla_0 E_{23}\,\Omega'[t]}{\Omega[t]} - \frac{2\,E_{23}\,\Omega'[t]^2}{\Omega[t]^2} + \frac{4\,E_{23}\,\Omega''[t]}{\Omega[t]})$

$\delta W_{\mu\nu}\ \Omega = 1$

00	$\left(-\frac{2\,\nabla^4\,\phi}{3}-\frac{2\,\nabla^4\,\psi}{3}-\frac{2\,\nabla^4\,\nabla_0 B}{3}+\frac{2}{3}\,\nabla^4\,\nabla_0\nabla_0 E\right)+(0)+(0)$
11	$\left(-\frac{1}{3}\,g_{11}\,\nabla^4\,\phi-\frac{1}{3}\,g_{11}\,\nabla^4\,\psi-\frac{1}{3}\,g_{11}\,\nabla^4\,\nabla_0 B+\frac{1}{3}\,g_{11}\,\nabla^4\,\nabla_0\nabla_0 E+\frac{1}{3}\,g_{11}\,\nabla^2\,\nabla_0\nabla_0\phi+\right.$ $\frac{1}{3}\,g_{11}\,\nabla^2\,\nabla_0\nabla_0\psi+\frac{1}{3}\,g_{11}\,\nabla^2\,\nabla_0\nabla_0\nabla_0 B-\frac{1}{3}\,g_{11}\,\nabla^2\,\nabla_0\nabla_0\nabla_0\nabla_0 E+\frac{1}{3}\nabla^2\,\nabla_1\nabla_1\phi+\frac{1}{3}\nabla^2\,\nabla_1\nabla_1\psi+$ $\frac{1}{3}\nabla^2\,\nabla_1\nabla_1\nabla_0 B-\frac{1}{3}\nabla^2\,\nabla_1\nabla_1\nabla_0\nabla_0 E-\nabla_1\nabla_1\nabla_0\nabla_0\phi-\nabla_1\nabla_1\nabla_0\nabla_0\psi-\nabla_1\nabla_1\nabla_0\nabla_0\nabla_0 B+\nabla_1\nabla_1\nabla_0\nabla_0\nabla_0\nabla_0 E)+($ $\nabla^2\,\nabla_1\nabla_0 B_1-\nabla^2\,\nabla_1\nabla_0\nabla_0 E_1-\nabla_1\nabla_0\nabla_0\nabla_0 B_1+\nabla_1\nabla_0\nabla_0\nabla_0\nabla_0 E_1)+(\nabla^4\,E_{11}-2\,\nabla^2\,\nabla_0\nabla_0 E_{11}+\nabla_0\nabla_0\nabla_0\nabla_0 E_{11})$
22	$\left(-\frac{1}{3}\,g_{22}\,\nabla^4\,\phi-\frac{1}{3}\,g_{22}\,\nabla^4\,\psi-\frac{1}{3}\,g_{22}\,\nabla^4\,\nabla_0 B+\frac{1}{3}\,g_{22}\,\nabla^4\,\nabla_0\nabla_0 E+\frac{1}{3}\,g_{22}\,\nabla^2\,\nabla_0\nabla_0\phi+\right.$ $\frac{1}{3}\,g_{22}\,\nabla^2\,\nabla_0\nabla_0\psi+\frac{1}{3}\,g_{22}\,\nabla^2\,\nabla_0\nabla_0\nabla_0 B-\frac{1}{3}\,g_{22}\,\nabla^2\,\nabla_0\nabla_0\nabla_0\nabla_0 E+\frac{1}{3}\nabla^2\,\nabla_2\nabla_2\phi+\frac{1}{3}\nabla^2\,\nabla_2\nabla_2\psi+$ $\frac{1}{3}\nabla^2\,\nabla_2\nabla_2\nabla_0 B-\frac{1}{3}\nabla^2\,\nabla_2\nabla_2\nabla_0\nabla_0 E-\nabla_2\nabla_2\nabla_0\nabla_0\phi-\nabla_2\nabla_2\nabla_0\nabla_0\psi-\nabla_2\nabla_2\nabla_0\nabla_0\nabla_0 B+\nabla_2\nabla_2\nabla_0\nabla_0\nabla_0\nabla_0 E)+($ $\nabla^2\,\nabla_2\nabla_0 B_2-\nabla^2\,\nabla_2\nabla_0\nabla_0 E_2-\nabla_2\nabla_0\nabla_0\nabla_0 B_2+\nabla_2\nabla_0\nabla_0\nabla_0\nabla_0 E_2)+(\nabla^4\,E_{22}-2\,\nabla^2\,\nabla_0\nabla_0 E_{22}+\nabla_0\nabla_0\nabla_0\nabla_0 E_{22})$
33	$\left(-\frac{1}{3}\,g_{33}\,\nabla^4\,\phi-\frac{1}{3}\,g_{33}\,\nabla^4\,\psi-\frac{1}{3}\,g_{33}\,\nabla^4\,\nabla_0 B+\frac{1}{3}\,g_{33}\,\nabla^4\,\nabla_0\nabla_0 E+\frac{1}{3}\,g_{33}\,\nabla^2\,\nabla_0\nabla_0\phi+\right.$ $\frac{1}{3}\,g_{33}\,\nabla^2\,\nabla_0\nabla_0\psi+\frac{1}{3}\,g_{33}\,\nabla^2\,\nabla_0\nabla_0\nabla_0 B-\frac{1}{3}\,g_{33}\,\nabla^2\,\nabla_0\nabla_0\nabla_0\nabla_0 E+\frac{1}{3}\nabla^2\,\nabla_3\nabla_3\phi+\frac{1}{3}\nabla^2\,\nabla_3\nabla_3\psi+$ $\frac{1}{3}\nabla^2\,\nabla_3\nabla_3\nabla_0 B-\frac{1}{3}\nabla^2\,\nabla_3\nabla_3\nabla_0\nabla_0 E-\nabla_3\nabla_3\nabla_0\nabla_0\phi-\nabla_3\nabla_3\nabla_0\nabla_0\psi-\nabla_3\nabla_3\nabla_0\nabla_0\nabla_0 B+\nabla_3\nabla_3\nabla_0\nabla_0\nabla_0\nabla_0 E)+($ $\nabla^2\,\nabla_3\nabla_0 B_3-\nabla^2\,\nabla_3\nabla_0\nabla_0 E_3-\nabla_3\nabla_0\nabla_0\nabla_0 B_3+\nabla_3\nabla_0\nabla_0\nabla_0\nabla_0 E_3)+(\nabla^4\,E_{33}-2\,\nabla^2\,\nabla_0\nabla_0 E_{33}+\nabla_0\nabla_0\nabla_0\nabla_0 E_{33})$
01	$\left(-\frac{2}{3}\,\nabla^2\,\nabla_1\nabla_0\phi-\frac{2}{3}\,\nabla^2\,\nabla_1\nabla_0\psi-\frac{2}{3}\,\nabla^2\,\nabla_1\nabla_0\nabla_0 B+\frac{2}{3}\,\nabla^2\,\nabla_1\nabla_0\nabla_0\nabla_0 E\right.$ $)+\left(\frac{\nabla^4\,B_1}{2}-\frac{1}{2}\,\nabla^4\,\nabla_0 E_1-\frac{1}{2}\,\nabla^2\,\nabla_0\nabla_0 B_1+\frac{1}{2}\,\nabla^2\,\nabla_0\nabla_0\nabla_0 E_1\right)+(0)$
02	$\left(-\frac{2}{3}\,\nabla^2\,\nabla_2\nabla_0\phi-\frac{2}{3}\,\nabla^2\,\nabla_2\nabla_0\psi-\frac{2}{3}\,\nabla^2\,\nabla_2\nabla_0\nabla_0 B+\frac{2}{3}\,\nabla^2\,\nabla_2\nabla_0\nabla_0\nabla_0 E\right.$ $)+\left(\frac{\nabla^4\,B_2}{2}-\frac{1}{2}\,\nabla^4\,\nabla_0 E_2-\frac{1}{2}\,\nabla^2\,\nabla_0\nabla_0 B_2+\frac{1}{2}\,\nabla^2\,\nabla_0\nabla_0\nabla_0 E_2\right)+(0)$
03	$\left(-\frac{2}{3}\,\nabla^2\,\nabla_3\nabla_0\phi-\frac{2}{3}\,\nabla^2\,\nabla_3\nabla_0\psi-\frac{2}{3}\,\nabla^2\,\nabla_3\nabla_0\nabla_0 B+\frac{2}{3}\,\nabla^2\,\nabla_3\nabla_0\nabla_0\nabla_0 E\right.$ $)+\left(\frac{\nabla^4\,B_3}{2}-\frac{1}{2}\,\nabla^4\,\nabla_0 E_3-\frac{1}{2}\,\nabla^2\,\nabla_0\nabla_0 B_3+\frac{1}{2}\,\nabla^2\,\nabla_0\nabla_0\nabla_0 E_3\right)+(0)$
12	$\left(\frac{1}{3}\,\nabla^2\,\nabla_2\nabla_1\phi+\frac{1}{3}\,\nabla^2\,\nabla_2\nabla_1\psi+\frac{1}{3}\,\nabla^2\,\nabla_2\nabla_1\nabla_0 B-\right.$ $\frac{1}{3}\,\nabla^2\,\nabla_2\nabla_1\nabla_0\nabla_0 E-\nabla_2\nabla_1\nabla_0\nabla_0\phi-\nabla_2\nabla_1\nabla_0\nabla_0\psi-\nabla_2\nabla_1\nabla_0\nabla_0\nabla_0 B+\nabla_2\nabla_1\nabla_0\nabla_0\nabla_0\nabla_0 E)+($ $\frac{1}{2}\,\nabla^2\,\nabla_1\nabla_0 B_2-\frac{1}{2}\,\nabla^2\,\nabla_1\nabla_0\nabla_0 E_2-\frac{1}{2}\,\nabla_1\nabla_0\nabla_0\nabla_0 B_2+\frac{1}{2}\,\nabla_1\nabla_0\nabla_0\nabla_0\nabla_0 E_2+\frac{1}{2}\,\nabla^2\,\nabla_2\nabla_0 B_1-\frac{1}{2}\,\nabla^2\,\nabla_2\nabla_0\nabla_0 E_1-$ $\frac{1}{2}\,\nabla_2\nabla_0\nabla_0\nabla_0 B_1+\frac{1}{2}\,\nabla_2\nabla_0\nabla_0\nabla_0\nabla_0 E_1)+(\nabla^4\,E_{12}-2\,\nabla^2\,\nabla_0\nabla_0 E_{12}+\nabla_0\nabla_0\nabla_0\nabla_0 E_{12})$
13	$\left(\frac{1}{3}\,\nabla^2\,\nabla_3\nabla_1\phi+\frac{1}{3}\,\nabla^2\,\nabla_3\nabla_1\psi+\frac{1}{3}\,\nabla^2\,\nabla_3\nabla_1\nabla_0 B-\right.$ $\frac{1}{3}\,\nabla^2\,\nabla_3\nabla_1\nabla_0\nabla_0 E-\nabla_3\nabla_1\nabla_0\nabla_0\phi-\nabla_3\nabla_1\nabla_0\nabla_0\psi-\nabla_3\nabla_1\nabla_0\nabla_0\nabla_0 B+\nabla_3\nabla_1\nabla_0\nabla_0\nabla_0\nabla_0 E)+($ $\frac{1}{2}\,\nabla^2\,\nabla_1\nabla_0 B_3-\frac{1}{2}\,\nabla^2\,\nabla_1\nabla_0\nabla_0 E_3-\frac{1}{2}\,\nabla_1\nabla_0\nabla_0\nabla_0 B_3+\frac{1}{2}\,\nabla_1\nabla_0\nabla_0\nabla_0\nabla_0 E_3+\frac{1}{2}\,\nabla^2\,\nabla_3\nabla_0 B_1-\frac{1}{2}\,\nabla^2\,\nabla_3\nabla_0\nabla_0 E_1-$ $\frac{1}{2}\,\nabla_3\nabla_0\nabla_0\nabla_0 B_1+\frac{1}{2}\,\nabla_3\nabla_0\nabla_0\nabla_0\nabla_0 E_1)+(\nabla^4\,E_{13}-2\,\nabla^2\,\nabla_0\nabla_0 E_{13}+\nabla_0\nabla_0\nabla_0\nabla_0 E_{13})$
23	$\left(\frac{1}{3}\,\nabla^2\,\nabla_3\nabla_2\phi+\frac{1}{3}\,\nabla^2\,\nabla_3\nabla_2\psi+\frac{1}{3}\,\nabla^2\,\nabla_3\nabla_2\nabla_0 B-\right.$ $\frac{1}{3}\,\nabla^2\,\nabla_3\nabla_2\nabla_0\nabla_0 E-\nabla_3\nabla_2\nabla_0\nabla_0\phi-\nabla_3\nabla_2\nabla_0\nabla_0\psi-\nabla_3\nabla_2\nabla_0\nabla_0\nabla_0 B+\nabla_3\nabla_2\nabla_0\nabla_0\nabla_0\nabla_0 E)+($ $\frac{1}{2}\,\nabla^2\,\nabla_2\nabla_0 B_3-\frac{1}{2}\,\nabla^2\,\nabla_2\nabla_0\nabla_0 E_3-\frac{1}{2}\,\nabla_2\nabla_0\nabla_0\nabla_0 B_3+\frac{1}{2}\,\nabla_2\nabla_0\nabla_0\nabla_0\nabla_0 E_3+\frac{1}{2}\,\nabla^2\,\nabla_3\nabla_0 B_2-\frac{1}{2}\,\nabla^2\,\nabla_3\nabla_0\nabla_0 E_2-$ $\frac{1}{2}\,\nabla_3\nabla_0\nabla_0\nabla_0 B_2+\frac{1}{2}\,\nabla_3\nabla_0\nabla_0\nabla_0\nabla_0 E_2)+(\nabla^4\,E_{23}-2\,\nabla^2\,\nabla_0\nabla_0 E_{23}+\nabla_0\nabla_0\nabla_0\nabla_0 E_{23})$

$\delta W_{\mu\nu}$ $\Omega = \Omega[t]$

00	$\left(-\frac{2\nabla^4\phi}{3\Omega[t]^2} - \frac{2\nabla^4\psi}{3\Omega[t]^2} - \frac{2\nabla^4\nabla_0 B}{3\Omega[t]^2} + \frac{2\nabla^4\nabla_0\nabla_0 E}{3\Omega[t]^2}\right) + (0) + (0)$
11	$\left(-\frac{g_{11}\nabla^4\phi}{3\Omega[t]^2} - \frac{g_{11}\nabla^4\psi}{3\Omega[t]^2} - \frac{g_{11}\nabla^4\nabla_0 B}{3\Omega[t]^2} + \frac{g_{11}\nabla^4\nabla_0\nabla_0 E}{3\Omega[t]^2} + \frac{g_{11}\nabla^2\nabla_0\nabla_0\phi}{3\Omega[t]^2} + \frac{g_{11}\nabla^2\nabla_0\nabla_0\psi}{3\Omega[t]^2} + \frac{g_{11}\nabla^2\nabla_0\nabla_0\nabla_0 B}{3\Omega[t]^2} - \frac{g_{11}\nabla^2\nabla_0\nabla_0\nabla_0\nabla_0 E}{3\Omega[t]^2} + \frac{\nabla^2\nabla_1\nabla_1\phi}{3\Omega[t]^2} + \frac{\nabla^2\nabla_1\nabla_1\psi}{3\Omega[t]^2} + \frac{\nabla^2\nabla_1\nabla_1\nabla_0 B}{3\Omega[t]^2} - \frac{\nabla^2\nabla_1\nabla_1\nabla_0\nabla_0 E}{3\Omega[t]^2} - \frac{\nabla_1\nabla_1\nabla_0\nabla_0\phi}{\Omega[t]^2} - \frac{\nabla_1\nabla_1\nabla_0\nabla_0\psi}{\Omega[t]^2} - \frac{\nabla_1\nabla_1\nabla_0\nabla_0\nabla_0 B}{\Omega[t]^2} + \frac{\nabla_1\nabla_1\nabla_0\nabla_0\nabla_0\nabla_0 E}{\Omega[t]^2}\right) + \left(\frac{\nabla^2\nabla_1\nabla_0 B_1}{\Omega[t]^2} - \frac{\nabla^2\nabla_1\nabla_0\nabla_0 E_1}{\Omega[t]^2} - \frac{\nabla_1\nabla_0\nabla_0\nabla_0 B_1}{\Omega[t]^2} + \frac{\nabla_1\nabla_0\nabla_0\nabla_0\nabla_0 E_1}{\Omega[t]^2}\right) + \left(\frac{\nabla^4 E_{11}}{\Omega[t]^2} - \frac{2\nabla^2\nabla_0\nabla_0 E_{11}}{\Omega[t]^2} + \frac{\nabla_0\nabla_0\nabla_0\nabla_0 E_{11}}{\Omega[t]^2}\right)$
22	$\left(-\frac{g_{22}\nabla^4\phi}{3\Omega[t]^2} - \frac{g_{22}\nabla^4\psi}{3\Omega[t]^2} - \frac{g_{22}\nabla^4\nabla_0 B}{3\Omega[t]^2} + \frac{g_{22}\nabla^4\nabla_0\nabla_0 E}{3\Omega[t]^2} + \frac{g_{22}\nabla^2\nabla_0\nabla_0\phi}{3\Omega[t]^2} + \frac{g_{22}\nabla^2\nabla_0\nabla_0\psi}{3\Omega[t]^2} + \frac{g_{22}\nabla^2\nabla_0\nabla_0\nabla_0 B}{3\Omega[t]^2} - \frac{g_{22}\nabla^2\nabla_0\nabla_0\nabla_0\nabla_0 E}{3\Omega[t]^2} + \frac{\nabla^2\nabla_2\nabla_2\phi}{3\Omega[t]^2} + \frac{\nabla^2\nabla_2\nabla_2\psi}{3\Omega[t]^2} + \frac{\nabla^2\nabla_2\nabla_2\nabla_0 B}{3\Omega[t]^2} - \frac{\nabla^2\nabla_2\nabla_2\nabla_0\nabla_0 E}{3\Omega[t]^2} - \frac{\nabla_2\nabla_2\nabla_0\nabla_0\phi}{\Omega[t]^2} - \frac{\nabla_2\nabla_2\nabla_0\nabla_0\psi}{\Omega[t]^2} - \frac{\nabla_2\nabla_2\nabla_0\nabla_0\nabla_0 B}{\Omega[t]^2} + \frac{\nabla_2\nabla_2\nabla_0\nabla_0\nabla_0\nabla_0 E}{\Omega[t]^2}\right) + \left(\frac{\nabla^2\nabla_2\nabla_0 B_2}{\Omega[t]^2} - \frac{\nabla^2\nabla_2\nabla_0\nabla_0 E_2}{\Omega[t]^2} - \frac{\nabla_2\nabla_0\nabla_0\nabla_0 B_2}{\Omega[t]^2} + \frac{\nabla_2\nabla_0\nabla_0\nabla_0\nabla_0 E_2}{\Omega[t]^2}\right) + \left(\frac{\nabla^4 E_{22}}{\Omega[t]^2} - \frac{2\nabla^2\nabla_0\nabla_0 E_{22}}{\Omega[t]^2} + \frac{\nabla_0\nabla_0\nabla_0\nabla_0 E_{22}}{\Omega[t]^2}\right)$
33	$\left(-\frac{g_{33}\nabla^4\phi}{3\Omega[t]^2} - \frac{g_{33}\nabla^4\psi}{3\Omega[t]^2} - \frac{g_{33}\nabla^4\nabla_0 B}{3\Omega[t]^2} + \frac{g_{33}\nabla^4\nabla_0\nabla_0 E}{3\Omega[t]^2} + \frac{g_{33}\nabla^2\nabla_0\nabla_0\phi}{3\Omega[t]^2} + \frac{g_{33}\nabla^2\nabla_0\nabla_0\psi}{3\Omega[t]^2} + \frac{g_{33}\nabla^2\nabla_0\nabla_0\nabla_0 B}{3\Omega[t]^2} - \frac{g_{33}\nabla^2\nabla_0\nabla_0\nabla_0\nabla_0 E}{3\Omega[t]^2} + \frac{\nabla^2\nabla_3\nabla_3\phi}{3\Omega[t]^2} + \frac{\nabla^2\nabla_3\nabla_3\psi}{3\Omega[t]^2} + \frac{\nabla^2\nabla_3\nabla_3\nabla_0 B}{3\Omega[t]^2} - \frac{\nabla^2\nabla_3\nabla_3\nabla_0\nabla_0 E}{3\Omega[t]^2} - \frac{\nabla_3\nabla_3\nabla_0\nabla_0\phi}{\Omega[t]^2} - \frac{\nabla_3\nabla_3\nabla_0\nabla_0\psi}{\Omega[t]^2} - \frac{\nabla_3\nabla_3\nabla_0\nabla_0\nabla_0 B}{\Omega[t]^2} + \frac{\nabla_3\nabla_3\nabla_0\nabla_0\nabla_0\nabla_0 E}{\Omega[t]^2}\right) + \left(\frac{\nabla^2\nabla_3\nabla_0 B_3}{\Omega[t]^2} - \frac{\nabla^2\nabla_3\nabla_0\nabla_0 E_3}{\Omega[t]^2} - \frac{\nabla_3\nabla_0\nabla_0\nabla_0 B_3}{\Omega[t]^2} + \frac{\nabla_3\nabla_0\nabla_0\nabla_0\nabla_0 E_3}{\Omega[t]^2}\right) + \left(\frac{\nabla^4 E_{33}}{\Omega[t]^2} - \frac{2\nabla^2\nabla_0\nabla_0 E_{33}}{\Omega[t]^2} + \frac{\nabla_0\nabla_0\nabla_0\nabla_0 E_{33}}{\Omega[t]^2}\right)$
01	$\left(-\frac{2\nabla^2\nabla_1\nabla_0\phi}{3\Omega[t]^2} - \frac{2\nabla^2\nabla_1\nabla_0\psi}{3\Omega[t]^2} - \frac{2\nabla^2\nabla_1\nabla_0\nabla_0 B}{3\Omega[t]^2} + \frac{2\nabla^2\nabla_1\nabla_0\nabla_0\nabla_0 E}{3\Omega[t]^2}\right) + \left(\frac{\nabla^4 B_1}{2\Omega[t]^2} - \frac{\nabla^4\nabla_0 E_1}{2\Omega[t]^2} - \frac{\nabla^2\nabla_0\nabla_0 B_1}{2\Omega[t]^2} + \frac{\nabla^2\nabla_0\nabla_0\nabla_0 E_1}{2\Omega[t]^2}\right) + (0)$
02	$\left(-\frac{2\nabla^2\nabla_2\nabla_0\phi}{3\Omega[t]^2} - \frac{2\nabla^2\nabla_2\nabla_0\psi}{3\Omega[t]^2} - \frac{2\nabla^2\nabla_2\nabla_0\nabla_0 B}{3\Omega[t]^2} + \frac{2\nabla^2\nabla_2\nabla_0\nabla_0\nabla_0 E}{3\Omega[t]^2}\right) + \left(\frac{\nabla^4 B_2}{2\Omega[t]^2} - \frac{\nabla^4\nabla_0 E_2}{2\Omega[t]^2} - \frac{\nabla^2\nabla_0\nabla_0 B_2}{2\Omega[t]^2} + \frac{\nabla^2\nabla_0\nabla_0\nabla_0 E_2}{2\Omega[t]^2}\right) + (0)$
03	$\left(-\frac{2\nabla^2\nabla_3\nabla_0\phi}{3\Omega[t]^2} - \frac{2\nabla^2\nabla_3\nabla_0\psi}{3\Omega[t]^2} - \frac{2\nabla^2\nabla_3\nabla_0\nabla_0 B}{3\Omega[t]^2} + \frac{2\nabla^2\nabla_3\nabla_0\nabla_0\nabla_0 E}{3\Omega[t]^2}\right) + \left(\frac{\nabla^4 B_3}{2\Omega[t]^2} - \frac{\nabla^4\nabla_0 E_3}{2\Omega[t]^2} - \frac{\nabla^2\nabla_0\nabla_0 B_3}{2\Omega[t]^2} + \frac{\nabla^2\nabla_0\nabla_0\nabla_0 E_3}{2\Omega[t]^2}\right) + (0)$
12	$\left(\frac{\nabla^2\nabla_2\nabla_1\phi}{3\Omega[t]^2} + \frac{\nabla^2\nabla_2\nabla_1\psi}{3\Omega[t]^2} + \frac{\nabla^2\nabla_2\nabla_1\nabla_0 B}{3\Omega[t]^2} - \frac{\nabla^2\nabla_2\nabla_1\nabla_0\nabla_0 E}{3\Omega[t]^2} - \frac{\nabla_2\nabla_1\nabla_0\nabla_0\phi}{\Omega[t]^2} - \frac{\nabla_2\nabla_1\nabla_0\nabla_0\psi}{\Omega[t]^2} - \frac{\nabla_2\nabla_1\nabla_0\nabla_0\nabla_0 B}{\Omega[t]^2} + \frac{\nabla_2\nabla_1\nabla_0\nabla_0\nabla_0\nabla_0 E}{\Omega[t]^2}\right) + \left(\frac{\nabla^2\nabla_1\nabla_0 B_2}{2\Omega[t]^2} - \frac{\nabla^2\nabla_1\nabla_0\nabla_0 E_2}{2\Omega[t]^2} - \frac{\nabla_1\nabla_0\nabla_0\nabla_0 B_2}{2\Omega[t]^2} + \frac{\nabla_1\nabla_0\nabla_0\nabla_0\nabla_0 E_2}{2\Omega[t]^2} + \frac{\nabla^2\nabla_2\nabla_0 B_1}{2\Omega[t]^2} - \frac{\nabla^2\nabla_2\nabla_0\nabla_0 E_1}{2\Omega[t]^2} - \frac{\nabla_2\nabla_0\nabla_0\nabla_0 B_1}{2\Omega[t]^2} + \frac{\nabla_2\nabla_0\nabla_0\nabla_0\nabla_0 E_1}{2\Omega[t]^2}\right) + \left(\frac{\nabla^4 E_{12}}{\Omega[t]^2} - \frac{2\nabla^2\nabla_0\nabla_0 E_{12}}{\Omega[t]^2} + \frac{\nabla_0\nabla_0\nabla_0\nabla_0 E_{12}}{\Omega[t]^2}\right)$
13	$\left(\frac{\nabla^2\nabla_3\nabla_1\phi}{3\Omega[t]^2} + \frac{\nabla^2\nabla_3\nabla_1\psi}{3\Omega[t]^2} + \frac{\nabla^2\nabla_3\nabla_1\nabla_0 B}{3\Omega[t]^2} - \frac{\nabla^2\nabla_3\nabla_1\nabla_0\nabla_0 E}{3\Omega[t]^2} - \frac{\nabla_3\nabla_1\nabla_0\nabla_0\phi}{\Omega[t]^2} - \frac{\nabla_3\nabla_1\nabla_0\nabla_0\psi}{\Omega[t]^2} - \frac{\nabla_3\nabla_1\nabla_0\nabla_0\nabla_0 B}{\Omega[t]^2} + \frac{\nabla_3\nabla_1\nabla_0\nabla_0\nabla_0\nabla_0 E}{\Omega[t]^2}\right) + \left(\frac{\nabla^2\nabla_1\nabla_0 B_3}{2\Omega[t]^2} - \frac{\nabla^2\nabla_1\nabla_0\nabla_0 E_3}{2\Omega[t]^2} - \frac{\nabla_1\nabla_0\nabla_0\nabla_0 B_3}{2\Omega[t]^2} + \frac{\nabla_1\nabla_0\nabla_0\nabla_0\nabla_0 E_3}{2\Omega[t]^2} + \frac{\nabla^2\nabla_3\nabla_0 B_1}{2\Omega[t]^2} - \frac{\nabla^2\nabla_3\nabla_0\nabla_0 E_1}{2\Omega[t]^2} - \frac{\nabla_3\nabla_0\nabla_0\nabla_0 B_1}{2\Omega[t]^2} + \frac{\nabla_3\nabla_0\nabla_0\nabla_0\nabla_0 E_1}{2\Omega[t]^2}\right) + \left(\frac{\nabla^4 E_{13}}{\Omega[t]^2} - \frac{2\nabla^2\nabla_0\nabla_0 E_{13}}{\Omega[t]^2} + \frac{\nabla_0\nabla_0\nabla_0\nabla_0 E_{13}}{\Omega[t]^2}\right)$
23	$\left(\frac{\nabla^2\nabla_3\nabla_2\phi}{3\Omega[t]^2} + \frac{\nabla^2\nabla_3\nabla_2\psi}{3\Omega[t]^2} + \frac{\nabla^2\nabla_3\nabla_2\nabla_0 B}{3\Omega[t]^2} - \frac{\nabla^2\nabla_3\nabla_2\nabla_0\nabla_0 E}{3\Omega[t]^2} - \frac{\nabla_3\nabla_2\nabla_0\nabla_0\phi}{\Omega[t]^2} - \frac{\nabla_3\nabla_2\nabla_0\nabla_0\psi}{\Omega[t]^2} - \frac{\nabla_3\nabla_2\nabla_0\nabla_0\nabla_0 B}{\Omega[t]^2} + \frac{\nabla_3\nabla_2\nabla_0\nabla_0\nabla_0\nabla_0 E}{\Omega[t]^2}\right) + \left(\frac{\nabla^2\nabla_2\nabla_0 B_3}{2\Omega[t]^2} - \frac{\nabla^2\nabla_2\nabla_0\nabla_0 E_3}{2\Omega[t]^2} - \frac{\nabla_2\nabla_0\nabla_0\nabla_0 B_3}{2\Omega[t]^2} + \frac{\nabla_2\nabla_0\nabla_0\nabla_0\nabla_0 E_3}{2\Omega[t]^2} + \frac{\nabla^2\nabla_3\nabla_0 B_2}{2\Omega[t]^2} - \frac{\nabla^2\nabla_3\nabla_0\nabla_0 E_2}{2\Omega[t]^2} - \frac{\nabla_3\nabla_0\nabla_0\nabla_0 B_2}{2\Omega[t]^2} + \frac{\nabla_3\nabla_0\nabla_0\nabla_0\nabla_0 E_2}{2\Omega[t]^2}\right) + \left(\frac{\nabla^4 E_{23}}{\Omega[t]^2} - \frac{2\nabla^2\nabla_0\nabla_0 E_{23}}{\Omega[t]^2} + \frac{\nabla_0\nabla_0\nabla_0\nabla_0 E_{23}}{\Omega[t]^2}\right)$