

1510.06699: residuals

equations measured 2026-09-05T11:24:38Z against the model of 2026-08-21

Flagged, not acted on

Identifier	Page	Conf.	LaTeX source	Rendered	Image
1510.06699_ E00168 (184c)	31	■ 0.814 ● C +25	$\begin{aligned} & \left(\frac{\delta \mathcal{L}_M}{\delta h_c^\mu}\right)_\dagger = \tau^c_\mu + 2\sigma_{ab}{}^c \mathcal{V}^a b^b_\mu - 2\sigma^{cb}{}_b V_\mu = \tau^{\dagger c}{}_\mu, (184a) \\ & \left(\frac{\delta \mathcal{L}_M}{\delta A^{\dagger ab}{}_\mu}\right)_\dagger = \sigma_{ab}{}^\mu, (184b) \\ & \left(\frac{\delta \mathcal{L}_M}{\delta V_\mu}\right)_\dagger = \zeta^\mu - 2h_a{}^\mu \sigma^{ab}{}_b = \zeta^{\dagger \mu} = 0, (184c) \\ & \left(\frac{\delta \mathcal{L}_M}{\delta \varphi}\right)_\dagger = \frac{\delta \mathcal{L}_M}{\delta \varphi}, (184d) \\ & \left(\frac{\delta \mathcal{L}_M}{\delta \phi}\right)_\dagger = \frac{\delta \mathcal{L}_M}{\delta \phi}, (184e) \end{aligned}$	$\begin{aligned} & \left(\frac{\delta \mathcal{L}_M}{\delta h_c^\mu}\right)_\dagger = \tau^c_\mu + 2\sigma_{ab}{}^c \mathcal{V}^a b^b_\mu - 2\sigma^{cb}{}_b V_\mu = \tau^{\dagger c}{}_\mu, (184a) \\ & \left(\frac{\delta \mathcal{L}_M}{\delta A^{\dagger ab}{}_\mu}\right)_\dagger = \sigma_{ab}{}^\mu, \\ & \left(\frac{\delta \mathcal{L}_M}{\delta V_\mu}\right)_\dagger = \zeta^\mu - 2h_a{}^\mu \sigma^{ab}{}_b = \zeta^{\dagger \mu} = 0 \\ & \left(\frac{\delta \mathcal{L}_M}{\delta \varphi}\right)_\dagger = \frac{\delta \mathcal{L}_M}{\delta \varphi}, \\ & \left(\frac{\delta \mathcal{L}_M}{\delta \phi}\right)_\dagger = \frac{\delta \mathcal{L}_M}{\delta \phi}, \end{aligned}$	$\begin{aligned} & \left(\frac{\delta \mathcal{L}_M}{\delta h_c^\mu}\right)_\dagger = \tau^c_\mu + 2\sigma_{ab}{}^c \mathcal{V}^a b^b_\mu - 2\sigma^{cb}{}_b V_\mu = \tau^{\dagger c}{}_\mu, (184a) \\ & \left(\frac{\delta \mathcal{L}_M}{\delta A^{\dagger ab}{}_\mu}\right)_\dagger = \sigma_{ab}{}^\mu, (184b) \\ & \left(\frac{\delta \mathcal{L}_M}{\delta V_\mu}\right)_\dagger = \zeta^\mu - 2h_a{}^\mu \sigma^{ab}{}_b = \zeta^{\dagger \mu} = 0, (184c) \\ & \left(\frac{\delta \mathcal{L}_M}{\delta \varphi}\right)_\dagger = \frac{\delta \mathcal{L}_M}{\delta \varphi}, (184d) \\ & \left(\frac{\delta \mathcal{L}_M}{\delta \phi}\right)_\dagger = \frac{\delta \mathcal{L}_M}{\delta \phi}, (184e) \end{aligned}$
1510.06699_ E00003 (4)	5	■ 1.000 ● C +28	$\begin{aligned} L_{\mathrm{G}} &= \alpha_1 \mathcal{R}^2 + \alpha_2 \mathcal{R}_{ab} \mathcal{R}^{ab} + \alpha_3 \mathcal{R}_{ab} \mathcal{R}^{ba} + \alpha_4 \mathcal{R}_{abcd} \mathcal{R}^{abcd} + \alpha_5 \mathcal{R}_{abcd} \mathcal{R}^{acbd} + \alpha_6 \mathcal{R}_{abcd} \mathcal{R}^{cdab} + \xi \mathcal{H}_{ab} \mathcal{H}^{ab} \equiv L_{\mathcal{R}^2} + L_{\mathcal{H}^2}, \\ L_{\mathrm{G}} &= \alpha_1 \mathcal{R}^2 + \alpha_2 \mathcal{R}_{ab} \mathcal{R}^{ab} + \alpha_3 \mathcal{R}_{ab} \mathcal{R}^{ba} + \alpha_4 \mathcal{R}_{abcd} \mathcal{R}^{abcd} + \alpha_5 \mathcal{R}_{abcd} \mathcal{R}^{acbd} + \alpha_6 \mathcal{R}_{abcd} \mathcal{R}^{cdab} + \xi \mathcal{H}_{ab} \mathcal{H}^{ab} \equiv L_{\mathcal{R}^2} + L_{\mathcal{H}^2}, \end{aligned}$	$L_{\mathrm{G}} = \alpha_1 \mathcal{R}^2 + \alpha_2 \mathcal{R}_{ab} \mathcal{R}^{ab} + \alpha_3 \mathcal{R}_{ab} \mathcal{R}^{ba} + \alpha_4 \mathcal{R}_{abcd} \mathcal{R}^{abcd} + \alpha_5 \mathcal{R}_{abcd} \mathcal{R}^{acbd} + \alpha_6 \mathcal{R}_{abcd} \mathcal{R}^{cdab} + \xi \mathcal{H}_{ab} \mathcal{H}^{ab} \equiv L_{\mathcal{R}^2} + L_{\mathcal{H}^2},$	$L_{\mathrm{G}} = \alpha_1 \mathcal{R}^2 + \alpha_2 \mathcal{R}_{ab} \mathcal{R}^{ab} + \alpha_3 \mathcal{R}_{ab} \mathcal{R}^{ba} + \alpha_4 \mathcal{R}_{abcd} \mathcal{R}^{abcd} + \alpha_5 \mathcal{R}_{abcd} \mathcal{R}^{acbd} + \alpha_6 \mathcal{R}_{abcd} \mathcal{R}^{cdab} + \xi \mathcal{H}_{ab} \mathcal{H}^{ab} \equiv L_{\mathcal{R}^2} + L_{\mathcal{H}^2},$
Conf. MathPix confidence: ■ ≥0.9 ■ 0.5–0.9 ■ <0.5 — no value LaTeX source MathPix’s reading, unchanged; Rendered the same reading, with a display environment (align/alignat/flalign/eqnarray/gather/multline/split) mapped to its in-math form so it can typeset in this cell — the two may legitimately differ Residual render vs scan (inkdrill): ● C component ● W weak ● S stable ● N noise ● K clean ● not measured [refined: <i>basis</i>] beside an identifier: the LaTeX-source and Rendered cells both show a VERIFIED refinement, not MathPix’s own reading — <i>basis</i> names what verified it (e.g. ink, source). The original reading is unchanged in the model but is not the one drawn here.					

55 more flagged rows below the band, stated as a count: 27 component, 28 weak; confidence high 30, mid 17, low 8, none 0

Doubted but correct

Identifier	Page	Conf.	LaTeX source	Rendered	Image
1510.06699_ E08241 (A5) [conf 0.019]	47	■ 0.019 ● S -2	$\bar{\psi}=\frac{\bar{\psi}\left(\rho+\beta i \gamma^5\right)}{\rho^2+\beta^2}$	$\bar{\psi}=\frac{\bar{\psi}\left(\rho+\beta i \gamma^5\right)}{\rho^2+\beta^2}.$	$\bar{\psi}=\frac{\bar{\psi}\left(\rho+\beta i \gamma^5\right)}{\rho^2+\beta^2}.$
Conf. MathPix confidence: ■ ≥0.9 ■ 0.5-0.9 ■ <0.5 — no value LaTeX source MathPix’s reading, unchanged; Rendered the same reading, with a display environment (align/alignat/flalign/eqnarray/gather/multline/split) mapped to its in-math form so it can typeset in this cell — the two may legitimately differ Residual render vs scan (inkdrill): ● C component ● W weak ● S stable ● N noise ● K clean ● not measured [refined: basis] beside an identifier: the LaTeX-source and Rendered cells both show a VERIFIED refinement, not MathPix’s own reading — <i>basis</i> names what verified it (e.g. ink, source). The original reading is unchanged in the model but is not the one drawn here.					