

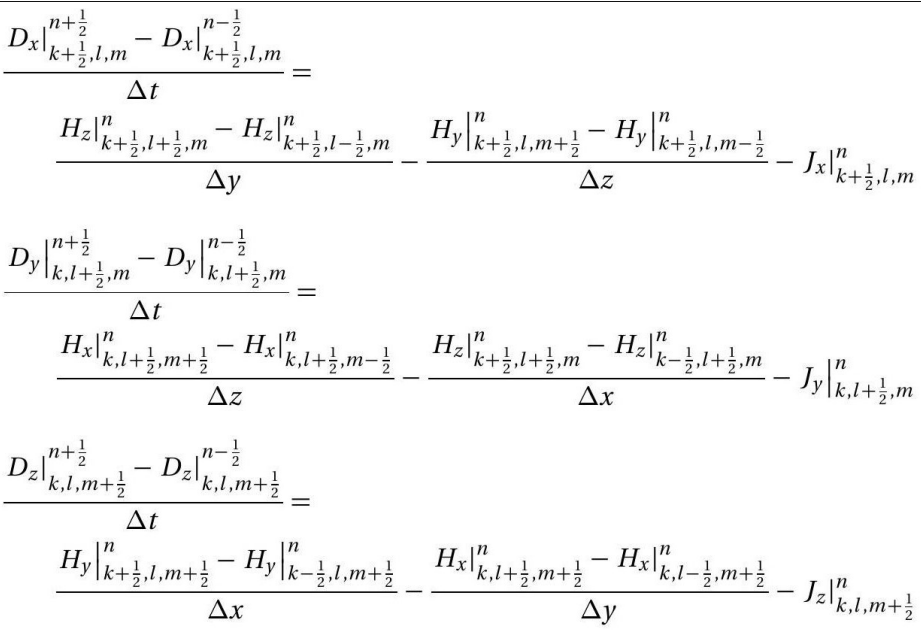
0707.4470: residuals

equations measured 2026-09-05T10:57:49Z against the model of 2026-09-02

Corrected (1)

Identifier	Page	Conf.	LaTeX source	Rendered	Scan image
0707.4470_F00175 (was)	29	—	\mathscr{g}	g	Given a discrete 1-form A and dual source 3-form $\mathcal{J}$, define the discrete
0707.4470_F00175 (now)	29	—	\mathscr{J}	$\mathcal{J}$	Given a discrete 1-form A and dual source 3-form $\mathcal{J}$, define the discrete
basis: source / source+ink					
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.					

Flagged, not acted on

Identifier	Page	Conf.	LaTeX source	Rendered	Image
0707.4470_E00035	20	■ 0.705 ● C +22	$\begin{aligned} & \frac{\left(D_x\right)_{k+\frac{1}{2},l,m}^n}{\Delta t} - \frac{\left(D_x\right)_{k+\frac{1}{2},l,m}^{n-\frac{1}{2}}}{\Delta t} = \\ & \frac{H_z\left _{k+\frac{1}{2},l+\frac{1}{2},m}^n - H_z\left _{k+\frac{1}{2},l-\frac{1}{2},m}^n}{\Delta y} - \frac{H_y\left _{k+\frac{1}{2},l,m+\frac{1}{2}}^n - H_y\left _{k+\frac{1}{2},l,m-\frac{1}{2}}^n}{\Delta z} - J_x\left _{k+\frac{1}{2},l,m}^n \right. \right. \\ & \frac{\left(D_y\right)_{k,l+\frac{1}{2},m}^{n+\frac{1}{2}} - \left(D_y\right)_{k,l+\frac{1}{2},m}^{n-\frac{1}{2}}}{\Delta t} = \\ & \frac{H_x\left _{k,l+\frac{1}{2},m+\frac{1}{2}}^n - H_x\left _{k,l+\frac{1}{2},m-\frac{1}{2}}^n}{\Delta z} - \frac{H_z\left _{k+\frac{1}{2},l+\frac{1}{2},m}^n - H_z\left _{k-\frac{1}{2},l+\frac{1}{2},m}^n}{\Delta x} - J_y\left _{k,l+\frac{1}{2},m}^n \right. \right. \\ & \frac{\left(D_z\right)_{k,l,m+\frac{1}{2}}^{n+\frac{1}{2}} - \left(D_z\right)_{k,l,m+\frac{1}{2}}^{n-\frac{1}{2}}}{\Delta t} = \\ & \frac{H_y\left _{k+\frac{1}{2},l,m+\frac{1}{2}}^n - H_y\left _{k-\frac{1}{2},l,m+\frac{1}{2}}^n}{\Delta x} - \frac{H_x\left _{k,l+\frac{1}{2},m+\frac{1}{2}}^n - H_x\left _{k,l-\frac{1}{2},m+\frac{1}{2}}^n}{\Delta y} - J_z\left _{k,l,m+\frac{1}{2}}^n \right. \right. \end{aligned}$	$\begin{aligned} & \frac{\left(D_x\right)_{k+\frac{1}{2},l,m}^{n+\frac{1}{2}} - \left(D_x\right)_{k+\frac{1}{2},l,m}^{n-\frac{1}{2}}}{\Delta t} = \\ & \frac{H_z\left _{k+\frac{1}{2},l+\frac{1}{2},m}^n - H_z\left _{k+\frac{1}{2},l-\frac{1}{2},m}^n}{\Delta y} - \frac{H_y\left _{k+\frac{1}{2},l,m+\frac{1}{2}}^n - H_y\left _{k+\frac{1}{2},l,m-\frac{1}{2}}^n}{\Delta z} - J_x\left _{k+\frac{1}{2},l,m}^n \right. \right. \\ & \frac{\left(D_y\right)_{k,l+\frac{1}{2},m}^{n+\frac{1}{2}} - \left(D_y\right)_{k,l+\frac{1}{2},m}^{n-\frac{1}{2}}}{\Delta t} = \\ & \frac{H_x\left _{k,l+\frac{1}{2},m+\frac{1}{2}}^n - H_x\left _{k,l+\frac{1}{2},m-\frac{1}{2}}^n}{\Delta z} - \frac{H_z\left _{k+\frac{1}{2},l+\frac{1}{2},m}^n - H_z\left _{k-\frac{1}{2},l+\frac{1}{2},m}^n}{\Delta x} - J_y\left _{k,l+\frac{1}{2},m}^n \right. \right. \\ & \frac{\left(D_z\right)_{k,l,m+\frac{1}{2}}^n - \left(D_z\right)_{k,l,m+\frac{1}{2}}^{n-\frac{1}{2}}}{\Delta t} = \\ & \frac{H_y\left _{k+\frac{1}{2},l,m+\frac{1}{2}}^n - H_y\left _{k-\frac{1}{2},l,m+\frac{1}{2}}^n}{\Delta x} - \frac{H_x\left _{k,l+\frac{1}{2},m+\frac{1}{2}}^n - H_x\left _{k,l-\frac{1}{2},m+\frac{1}{2}}^n}{\Delta y} - J_z\left _{k,l,m+\frac{1}{2}}^n \right. \right. \end{aligned}$	
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.					

9 more flagged rows below the band, stated as a count: 0 component, 9 weak; confidence high 7, mid 1, low 1, none 0