

kohlhase-omdoc: residuals

equations measured 2026-09-11T11:06:35Z against the model of 2026-09-03

Unresolved

Identifier	Page	Conf.	LaTeX source	Rendered	Image
kohlhase-omdoc_ E00005 [conf 0.092]	309	■ 0.092 ● C +105	<pre>\begin{figure} \[\begin{aligned} \left.\mathcal{R}\right.\frac{\mathbf{A}:\mathbf{B}\rightarrow\mathbf{C}\quad\mathbf{B}:\mathbb{B}}{\mathbf{AB}:\mathbb{C}}\right)&= \frac{\forall X.\mathbb{B}(X)\Rightarrow\mathbb{C}(\mathbf{AX})}{\frac{\mathbb{B}(\mathbf{B})\Rightarrow\mathbb{C}(\mathbf{AB})\quad\mathbb{B}(\mathbf{B})}{\mathbb{C}(\mathbf{AB})}}\\ \mathcal{R}\frac{\forall X_{\mathbb{B}}.\mathbf{A}\quad\mathbf{B}:\mathbb{B}}{[\mathbf{B}/X]\mathbf{A}}\right)&= \frac{\forall X.\mathbb{B}(X)\Rightarrow\mathcal{R}(\mathbf{A})}{\frac{\mathbb{B}(\mathcal{R}(\mathbf{B}))\Rightarrow\mathcal{R}([\mathbf{B}/X]\mathbf{A})\quad\mathbb{B}(\mathbf{B})}{\mathcal{R}([\mathbf{B}/X]\mathbf{A})}}\end{aligned}</pre> \begin{figure} \[\begin{aligned} \left.\mathcal{R}\right.\frac{\mathbf{A}:\mathbf{B}\rightarrow\mathbf{C}\quad\mathbf{B}:\mathbb{B}}{\mathbf{AB}:\mathbb{C}}\right)&= \frac{\forall X.\mathbb{B}(X)\Rightarrow\mathbb{C}(\mathbf{AX})}{\frac{\mathbb{B}(\mathbf{B})\Rightarrow\mathbb{C}(\mathbf{AB})\quad\mathbb{B}(\mathbf{B})}{\mathbb{C}(\mathbf{AB})}}\\ \mathcal{R}\frac{\forall X_{\mathbb{B}}.\mathbf{A}\quad\mathbf{B}:\mathbb{B}}{[\mathbf{B}/X]\mathbf{A}}\right)&= \frac{\forall X.\mathbb{B}(X)\Rightarrow\mathcal{R}(\mathbf{A})}{\frac{\mathbb{B}(\mathcal{R}(\mathbf{B}))\Rightarrow\mathcal{R}([\mathbf{B}/X]\mathbf{A})\quad\mathbb{B}(\mathbf{B})}{\mathcal{R}([\mathbf{B}/X]\mathbf{A})}}\end{aligned}	(not rendered)	$\mathcal{R}\frac{\mathbf{A}:\mathbb{B}\rightarrow\mathbf{C}\quad\mathbf{B}:\mathbb{B}}{\mathbf{AB}:\mathbb{C}}\right)=\frac{\forall X.\mathbb{B}(X)\Rightarrow\mathbb{C}(\mathbf{AX})}{\frac{\mathbb{B}(\mathbf{B})\Rightarrow\mathbb{C}(\mathbf{AB})\quad\mathbb{B}(\mathbf{B})}{\mathbb{C}(\mathbf{AB})}}$ $\mathcal{R}\frac{\forall X_{\mathbb{B}}.\mathbf{A}\quad\mathbf{B}:\mathbb{B}}{[\mathbf{B}/X]\mathbf{A}}\right)=\frac{\forall X.\mathbb{B}(X)\Rightarrow\mathcal{R}(\mathbf{A})}{\frac{\mathbb{B}(\mathcal{R}(\mathbf{B}))\Rightarrow\mathcal{R}([\mathbf{B}/X]\mathbf{A})\quad\mathbb{B}(\mathbf{B})}{\mathcal{R}([\mathbf{B}/X]\mathbf{A})}}$
kohlhase-omdoc_ F00323	215	■ 0.405	<pre>\{\,\,p\mid p\{\rm and\}p+2\rm\ are\ prime\,\}</pre>	(not rendered)	$\{\,\,p\mid p\{\rm and\}p+2\rm\ are\ prime\,\,\}$
kohlhase-omdoc_ F00317	215	■ 0.891	<pre>\{\,\,p\mid\hbox{\,</pre>	(not rendered)	$\{\,\,p\mid\hbox{\,$p$ and $p+2$ are prime}\,\,\}$
kohlhase-omdoc_ F00319	215	■ 0.891	<pre>are prime}\,\,</pre>	(not rendered)	$\{\,\,p\mid\hbox{\,$p$ and $p+2$ are prime}\,\,\}$
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.					

Flagged, not acted on

Identifier	Page	Conf.	LaTeX source	Rendered	Image
kohlhase-omdoc_ EQ0001	60	■ 0.863 ● C +38	\forall M . \operatorname{magma}(M) \Leftrightarrow \exists E, F . M=(E, F) \wedge \text { law_of_composition (E, F)	(not rendered)	$\forall M.magma(M) \Leftrightarrow \exists E, F.M=(E, F) \wedge law_of_composition(E, F)$
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.					

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

Low confidence

Identifier	Page	Conf.	LaTeX source	Rendered	Image
kohlhase-omdoc_ EQ0004 (26.1) [conf 0.035]	297	■ 0.035 ● U +44	<code>\backslash \text { CSum\{k\}1\infty\{\Cexp\{x\}k\}</code> instead of <code>\backslash \text { sum_\{k = 1\}^ { } _{1}</code> <code>\text { infty x^k }</code>	<i>(not rendered)</i>	<code>\CSum{k}1\infty{\Cexp{x}k}</code> instead of <code>\sum_{k = 1}^\infty x^k</code>
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.					