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<html>
<body bgcolor="silver">
This is a formula: <? $f:X\to X$ ?>. This is a "displaystyle"
formula:
<? \[\sum_{n=1}^{\infty}\frac{1}{n} \]?>.
<br>
Of course, you can do this: <? $\sum_{j=1}^{\infty} a_j$ ?> and
that:
<? $\color{blue}\prod_{i\in I}x_i$ ?>.
Here is an aligned formula:
<p align="center">
<? \begin{align*}
\mathbb{R}=\bigcup_{n\in\mathbb{N}}(-n,n)=\bigcup_{q\in\mathbb{Q}}
(q-1,q+1)\ \ \
&\neq\bigcup_{n=1}^{\infty}\left(q_n-\frac{1}{2^n},q_n+\frac{1}{2^n}\right)
\end{align*} ?>
</p>
<br><br>
Math in a table:
<p align="center">
<table border="1">
<tr>
<td><? $\mathbb{R}|=2^{\aleph_0}$ ?></td>
<td><? [\color{red}\int_0^1 f=0 \]?></td>
</tr>
</table>
</p>
And colorful commutative diagrams:
<p align="center">
<? \[\begin{diagram}
\node{\color{green}X}\arrowrow{e,t}{f}\arrowrow{se,r}
{\color{yellow}g}\circ f
\node[2]{(Y,\mathscr{T}_f)}\arrowrow{s,r}{g}\ \ \ \
\node[3]{\color{white}Z}
\end{diagram}\]?>
</p>
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