Pensieve Header: U(I2D) Results.

\texttt{SetDirectory["C:\drorbn\AcademicPensieve\2011-08\w-Computations"]};
\texttt{<< "U(I2D)-Program.m"}

\[ r = \{\{1, 0, 0, 0\}, \{0, 0, 1, 0\}\} + \{\{0, 1, 0, 0\}, \{0, 0, 0, 1\}\}; \]
\texttt{ModDegree[3, \texttt{TExp}\{r\}]} \]
\[ \frac{\eta^2 \otimes y^2}{2} + \frac{1}{2} (\xi \eta \otimes y) + \xi \eta \otimes x y + \frac{\xi^2 \otimes x^2}{2} \]
\texttt{ModDegree[2,}
\texttt{ R = \texttt{TExp}\{r\};}
\texttt{ PutOn[3, \{1, 2\}, R] ** PutOn[3, \{1, 3\}, R] ** PutOn[3, \{2, 3\}, R]}
\texttt{]}
\[ 1 \otimes 1 \otimes 1 + \xi \otimes y + \xi \otimes \xi \otimes x + \eta \otimes \xi \otimes y + \eta \otimes y \otimes 1 + \xi \otimes 1 \otimes x + \xi \otimes x \otimes 1 \]
\texttt{ModDegree[6,}
\texttt{ R = \texttt{TExp}\{r\};}
\texttt{ PutOn[3, \{1, 2\}, R] ** PutOn[3, \{1, 3\}, R] ** PutOn[3, \{2, 3\}, R] -}
\texttt{ PutOn[3, \{2, 3\}, R] ** PutOn[3, \{1, 3\}, R] ** PutOn[3, \{1, 2\}, R]}
\texttt{]}
\[ 0 \]
\texttt{ModDegree[6,}
\texttt{ R = \texttt{TExp}\{r\};}
\texttt{ PutOn[3, \{1, 2\}, R] ** PutOn[3, \{1, 3\}, R] - PutOn[3, \{1, 3\}, R] ** PutOn[3, \{1, 2\}, R]}
\texttt{]}
\[ 0 \]