

Pensieve header: Initialization and commons.

pdf

Commons

pdf

```
In[ ]:= Once [ << KnotTheory` ]
```

pdf

Loading KnotTheory` version of February 2, 2020, 10:53:45.2097.
Read more at <http://katlas.org/wiki/KnotTheory>.

pdf

```
In[ ]:= MatrixSignature[A_] := Total[Sign[Select[Eigenvalues[A], Abs[#] > 10-12 &]]];
Writhe[K_] := Sum[If[PositiveQ[x], 1, -1], {x, List@@PD@K}];
```

```
In[ ]:= MatrixSignature /@ {  $\begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$ ,  $\begin{pmatrix} 1 & 0 \\ 0 & -1 \end{pmatrix}$ ,  $\begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix}$  }
```

```
Out[ ]:= {2, 0, -2}
```