

Tricolorings of Knots

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Make Titles Informative. Use Uppercase Letters.

Subtitles are optional.

- Use `itemize` a lot.
- Use very short sentences or short phrases.

Make Titles Informative.

You can create overlays. . .

- using the `pause` command:
 - First item.
 - Second item.
- using overlay specifications:
 - First item.
 - Second item.
- using the general `uncover` command:
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Knot Definition

Unknot

Trefoil

Figure-Eight

Equivalence

Diagrams

Reidmeister Moves

Type I

Type II

Type III

Tricoloring

Type I

Type II

Type II

Type III

Type III

Uncolorability of the Unknot

Colorability of the Trefoil

Uncolorability of the Figure-Eight Knot

Knot Group

Knot Group of the Unknot

Wirtinger Presentation

Knot Group of the Trefoil

Fox 3-Colorings

Fox 3-Colorings of the Unknot and Trefoil

Equivalence of Tricoloring and Fox 3-Coloring

Consequences

Extending Tricolorability

5-Coloring of the Figure-Eight Knot