

BRAID REPRESENTATIONS AND KNOT INVARIANTS

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Braids, braid representations and knot invariants are closely related. However, there are not many braid representations. The author invents a new systematic way to construct families of braid representations and their corresponding knot invariants. There are also related to certain infinite dimensional braid representations. Furthermore, evidence shows that there are knot invariants with nonlinear skein relations.

REFERENCES

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