

# The Casson-Walker-Lescop invariant for branched cyclic covers of $S^3$ branched over a 2-bridge knot

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## Abstract

Let  $D(b_1, \dots, b_{2m})$  be a 2-bridge knot, let  $M_{b_1, \dots, b_{2m}}^r$  be the  $r$ -fold cyclic covering of  $S^3$  branched over  $D(b_1, \dots, b_{2m})$ . We compute the Casson-Walker-Lescop invariant of  $M_{b_1, \dots, b_{2m}}^r$  by using Lescop's formula and Chbili's method.

## References

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