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## ADDENDUM TO FIBERED 2-KNOTS AND LENS SPACES

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There are some obscure points in the proof of Lemma 1. We can consider that any  $M^0$ -fibered 2-knot K in  $\Sigma$  is constructed from an M-fiber bundle over  $S^1$  with suitable monodromy h,  $V=M \times S^1$ , by performing a surgery along a 2-handle attaching to a normal bundle of a section  $\zeta$ , a simple closed curve intersecting each fiber in a single point. That is,  $\Sigma = V - \zeta \times \operatorname{Int} D^3 \cup D^2 \times S^2$ and  $K=\{0\} \times S^2 \subset D^2 \times S^2$ . Then we must show that the pair  $(\Sigma, K)$  is independent of the choice of sections and framings of the normal bundles. Since M admits a circle action with fixed point set, the framing is irrelevant [1], [2]. Let  $\pi_1(M, x) = \langle \alpha | \alpha^p = 1 \rangle$ . Then  $\pi_1(V, x \times \{1\}) = \langle \alpha, t | \alpha^p = 1, t \alpha t^{-1} = \alpha^{-1} \rangle$ , since h is diffeotopic to A on M. It is easy to verify that  $\alpha^i t$  is conjugate to t for any integer i. Hence any two sections are freely-homotopic each other, and so isotopic, since dim V=4. By the Isotopy Extension Theorem, this isotopy is realized by an ambient isotopy of V. Therefore the surgered manifold pair is independent of the choice of sections.

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## References

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