

MATH 636 HOMEWORK 8
DUE MAY 21, 2021.

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- (1) Hatcher 4.3.3 (p. 419).
- (2) Hatcher 4.3.5 (p. 419).
- (3) Hatcher 4.3.6 (p. 419). (I think the last sentence means “show that if μ' is another H -space multiplication on $K(G, n)$ then μ' is homotopic to μ as maps $K(G, n) \times K(G, n) \rightarrow K(G, n)$.”)
- (4) Hatcher 4.3.10 (p. 419). (Note: I think writing this down and checking you have a well-defined action takes some work.)

Suggested review / qualifying exam practice (not to turn in):

- (1) Hatcher 4.3.1, 4.3.4, 4.3.5, 4.3.7.

More problems to think about but not turn in:

- (1) Hatcher 4.3.8, 4.3.9.

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