

# Capping off open books and the Ozsvath-Szabo contact invariant

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If  $(S, h)$  is an open book with disconnected binding then we can form a new open book  $(S', h')$  by capping off one of the boundary components of  $S$  with a disk. I'll describe a  $U$ -equivariant map on Heegaard Floer homology which sends  $c^+(S', h')$  to  $c^+(S, h)$ , and I'll discuss various applications.

**3:45 p.m.**  
Math 520  
Columbia University