1023-57-301   **Sangbum Cho** and **Darryl McCullough*** (`dmccullough@math.ou.edu`), Department of Mathematics, University of Oklahoma, Norman, OK 73019. *Applications of the disk complex of the genus-2 handlebody to knot theory.* Preliminary report.

The disk complex of the genus-2 handlebody is very special, and has a rich yet accessible combinatorial structure. We will discuss some recent new applications of this structure to knots in the 3-sphere. (Received September 04, 2006)