*Abstract

Experiments were performed to determine morpholological characteristics of Loligo opalescens (market squid).

The sliding characteristics of squid on sheet metal may be approximated by a dry friction model with two friction coefficients. Squid will orient tail end down when slid on an inclined ramp.

A device was constructed to skin and eviscerate squid using water sprays. Fan shaped sprays delivering 4.4×10^{-4} m^3/sec flow rate at 4.83×10^5 Pa nozzle pressure were effective in separating the skin and viscera of squid as it passed under them. The fins were not readily removed by the water sprays. In one test run of thirty squid, nine were completely skinned and eviscerated in one pass through the device.

*Brooks, L. Alan. Development and Testing of a Device to Automatically Clean California Market Squid (Loligo opalescens). M.S. Thesis, University of California, Davis, abstract, 1977.