

Egg volumetrics

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In this project we created an apparatus for determining quickly the volume and density of a variety of rare bird's eggs. This apparatus will be used in Bristol Zoo Gardens as an aid to incubation. The apparatus consists of a digital camera linked to a computer program designed to find the egg's volume from a digital image. The image is calibrated by first entering the length of the egg, which still has to be measured by hand. This paper discusses methods for measuring egg volume, and whether use of our new apparatus is a suitable - or even superior - method.

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