Describe the data set in general. It collects a large number of fruits, such as apples, strawberries, mangoes, etc., and contains fruits of the same kind but different shapes.

The approximate properties of the data set are:

Total number of images: 90,483.( Ninety thousand, four hundred and eighty-three.)

Training set size: 67,692 (Sixty-seven thousand, six hundred and ninety-two) images

Test set size: 22,688 (Twenty-two thousand, six hundred and eighty-eight) images (one fruit or vegetable per image).

Number of species: 131 (fruits and vegetables).

Image size: 100x100 pixels (One hundred by one hundred pixels).

In addition, I would like to explain how these images were obtained by planting fruits and vegetables on the axis of a low-speed motor (3 rpm), using a webcam and recording a 20-second short film.

Behind the fruit, the author of the dataset put a white piece of paper as a background.

Then due to changes in lighting conditions, the background is not uniform, and the author have written an algorithm to extract the fruit from the background. The algorithm is the flood fill type: start at each edge of the image, label all pixels there, and then label all pixels found near the labeled pixels whose colors are less than a specified value apart. And repeat the previous step until no more pixels can be tagged.

In general, all marked pixels are treated as background (then filled with white), and the remaining pixels are treated as belonging to objects.