**Algorithm used in MatLab R2015a software for the calculation of standard deviation values**

function [ valor ] = grafvalor( fig ,valy )

%UNTITLED Summary of this function goes here

% Detailed explanation goes here

% fig = importfig(fileToRead1);

image (fig)

daspect([1 1 1])

dimfig = size (fig);

maxy = dimfig(1);

click = ginput();

valor = (maxy - click(:,2)) .\* (valy/maxy);

end

%

% function importfig(fileToRead1)

% %IMPORTFILE1(FILETOREAD1)

% % Imports data from the specified file

% % FILETOREAD1: file to read

%

% % Auto-generated by MATLAB on 08-Mar-2016 15:05:59

%

% % Import the file

% rawData1 = importdata(fileToRead1);

%

% % For some simple files (such as a CSV or JPEG files), IMPORTDATA might

% % return a simple array. If so, generate a structure so that the output

% % matches that from the Import Wizard.

% [~,name] = fileparts(fileToRead1);

% newData1.(genvarname(name)) = rawData1; %#ok<DEPGENAM>

%

% % Create new variables in the base workspace from those fields.

% vars = fieldnames(newData1);

% for i = 1:length(vars)

% assignin('base', vars{i}, newData1.(vars{i}));

% end