```matlab
% -----------------------------------------------------------------
%  Generated by MATLAB on 5-Dec-2023 21:32:33
%  MATLAB version: 9.13.0.2126072 (R2022b) Update 3
% -----------------------------------------------------------------
saveVarsMat = load('Problem2.mat');

delimiter = ' ';

filename = 'spectrum.txt';

headerLinesIn = 0;

i = 49;

indivYGauss = 23;

peakUncertGauss = 0.088243803663701409;

peakUncertLor = 0.13718951783531669;

peakUncertSinc = 0.082964666625986422;

standUncertGauss = [0.088243803663701409; 0.722929957307404;
 6.4787125385620445; ...
                    0.18828634884182358];

standUncertLor = [0.13718951783531669; 1.3108900457499202;
 13.797266988293563; ...
                  0.36757537377381877];

standUncertSinc = [0.082964666625986422; 0.67150968240352049;
 77.58183239614; ...
                   0.0045378296379910464];

clear saveVarsMat;
```

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