

A PCA plot showing the first two principal components, PC1 (85.71%) on the x-axis and PC2 (12.91%) on the y-axis. The plot displays two distinct clusters of data points: a green cluster on the left and a purple cluster on the right. Three vectors originate from the origin (0,0): a red vector labeled 'a_col' pointing towards the green cluster, and two blue vectors labeled 'Co' and 'Fe' pointing towards the purple cluster. The green cluster is enclosed in a green ellipse, and the purple cluster is enclosed in a purple ellipse.

