



$$\begin{aligned}
 & \text{Heatmap of } k(x_i, x_j) \approx \text{Heatmap of } z_1(x_i)'z_1(x_j) + \text{Heatmap of } z_2(x_i)'z_2(x_j) + \text{Heatmap of } z_3(x_i)'z_3(x_j) + \dots = \text{Heatmap of } Z(x_i)'Z(x_j) \\
 & k(x_i, x_j) \quad z_1(x_i)'z_1(x_j) \quad z_2(x_i)'z_2(x_j) \quad z_3(x_i)'z_3(x_j) \quad Z(x_i)'Z(x_j)
 \end{aligned}$$