(0,4) on the boundary?

$$(x^2, y^2, xy)$$
  $k(u, v) = \phi(u), \phi(v)$ 

$$\begin{array}{c} (1,2) \rightarrow (1,4,2) \\ (1,-2) \rightarrow (1,4,-2) \\ (-1,2) \rightarrow (1,4,-2) \\ \end{array}$$

$$\begin{array}{c} (-1,2) \rightarrow (1,4,-2) \\ G_{1}(u,v) \end{array}$$

$$G_{1}(u,v)$$

$$= \exp(-\frac{1}{20^2} || u - v ||^2)$$

$$J = \sum_{n=1}^{N} \sum_{k=1}^{K} ||R_{nk}|| ||x_n - c_k||^2$$

