$$\mu_X(x) = \max \left[0, 1 - \left(\frac{x - \lceil X \rceil}{q}\right)^2\right]$$
 $\mu_Y(y) = \max \left[0, 1 - \left(\frac{x - \lceil Y \rceil}{q}\right)^2\right]$ 
 $Z = \arctan Y/X$ 

$$\begin{split} \mu_X(x) &= \max \left[ 0, 1 - \left( \frac{x - \lceil X \rceil}{q} \right)^2 \right] \\ \mu_Y(y) &= \max \left[ 0, 1 - \left( \frac{x - \lceil Y \rceil}{q} \right)^2 \right] \\ Z &= \arctan Y/X \\ \mu_Z(z) &= \max_{x,y} \max_{z = \arctan(y/x)} \mu_X(x) \mu_Y(y) \end{split}$$

$$\mu_X(x) = \max \left[ 0, 1 - \left( \frac{x - \lceil X \rceil}{q} \right)^2 \right]$$

$$\mu_Y(y) = \max \left[ 0, 1 - \left( \frac{x - \lceil Y \rceil}{q} \right)^2 \right]$$

$$Z = \arctan Y/X$$

$$\mu_Z(z) = \max_{x,y} \max_{z = \arctan(y/x)} \mu_X(x) \mu_Y(y)$$

$$z = \arctan(y/x) \Rightarrow y = x \tan z$$

$$\mu_X(x) = \max \left[ 0, 1 - \left( \frac{x - \lceil X \rceil}{q} \right)^2 \right]$$

$$\mu_Y(y) = \max \left[ 0, 1 - \left( \frac{x - \lceil Y \rceil}{q} \right)^2 \right]$$

$$Z = \arctan Y/X$$

$$\mu_Z(z) = \max_{x,y} \max_{z = \arctan(y/x)} \mu_X(x) \mu_Y(y)$$

$$z = \arctan(y/x) \Rightarrow y = x \tan z$$

 $\mu_C(z) = \max_{x \in \mathbb{Y}} (1 - (px - q)^2) (1 - (rx - s)^2)$ 

$$\mu_C(z) = \max_{\mathbf{x} \in \mathbb{X}} \left(1 - (\mathbf{p}\mathbf{x} - \mathbf{q})^2\right) \left(1 - (\mathbf{r}\mathbf{x} - \mathbf{s})^2\right)$$

$$\mu_C(z) = \max_{x \in \mathbb{X}} (1 - (px - q)^2) (1 - (rx - s)^2)$$



$$\mu_C(z) = \max_{x \in \mathbb{X}} (1 - (px - q)^2) (1 - (rx - s)^2)$$