	Ex 2.2
	Bayes decision boundry:
	Find X S+ $f(X P,\Sigma_i) = f(X q_i,\Sigma_i)$
	Where Pi, 9i are the means of the 20 Gaissians and
	Ii is their associated cov.
	) - 1 - 0.P/- 1/(V-D.) 5 -1/V D.)
	e.g. X S.t. = 271 JIEI exp(-1/2(X-Pi))
1	$= \sum_{i=1}^{10} \frac{1}{2\pi i} \exp(-\frac{1}{2}(X-q_i)\Sigma_i(X-P_i))$
	i=1 277 / [Zi]
	Notice I: = 1/5 II Vi
	$\Rightarrow \Sigma^{-1} = (\frac{1}{5}\mathbb{I})^{-1} = 5\mathbb{I}^{-1} = 5\mathbb{I}$
	10 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
303	=> X 5+. \( \sum_{i=1} \exp(-\frac{1}{2}(X-Pi)5\mathbb{I}(X-Pi)) = \sum_{i=1} \exp(-\frac{1}{2}(X-qi)5\mathbb{I}(X-qi)
	More formally:
	{ X: Σexp(-5/2    X-P:  2) = Σexp(-5/2    X-q:  2)}
	i=1
图 6	Francisco de la
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