











$$TM \\ R,G,B = 3,2,1$$























Fusion Procedures

- 1. Band transformation
 - RGB-IHS
 - PCA, Tasseled Cap
 - Wavelet Analysis
- 2. Band replacement
- 3. Band back-transformation









		C	ovor	ianco	Nlat	riv	
			Uvar	ance	Ινιαι	IIX	
		TABLE 10).1. Similarit	y Matrices for Se	ven Bands of	f a TM Scene	$\{1, \dots, n\}$
	Covariance matrix						
	1	2	3	4	5	6	7
1.	48.8	29.2	43.2	50.0	76.5	0.9	44.9
2.	29.2	20.3	29.0	48.6	65.4	1.5	32.8
3.	43.2	29.0	46.4	59.9	101.2	0.6	53.5
4.	49.9	48.6	59.9	327.8	325.6	12.4	104.32
5.	76.5	65.4	101.2	325.6	480.5	10.2	188.5
6.	0.9	1.5	0.6	12.5	10.2	14.0	1.1
7.	45.0	32.8	53.5	104.3	188.5	1.1	90.8
	Correlation matrix				1.9.1		
	1	2	3	4	5	6	7
1.	1.00						
2.	0.92	1.00					
3.	0.90	0.94	1.00				
4.	0.39	0.59	0.48	1.00			
5.	0.49	0.66	0.67	0.82	1.00		
6.	0.03	0.08	0.02	0.18	0.12	1.00	5 4 5 - 1,5 665 6
7.	0.67	0.76	0.82	0.60	0.90	0.02	1.00

















