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CD in Multispectral Images: Comparison Operators					
	Technique	Feature vector f_k at the time t_k	Computation of X_D		
	Univariate image differencing	$oldsymbol{f}_k = X_k^b$	$X_D = \boldsymbol{f}_1 - \boldsymbol{f}_2 + C$		
	Vegetation index differencing	$f_k = V_k$	$X_D = \boldsymbol{f}_1 - \boldsymbol{f}_2 + C$		
	Change vector analysis	$\boldsymbol{f}_k = [X_k^1,, X_k^m]$	$X_D = \left\ \boldsymbol{f}_1 - \boldsymbol{f}_2 \right\ $		
	Regression	$oldsymbol{f}_1 = X_1^b$ and $oldsymbol{f}_2 = \hat{X}_2^b$	$X_D = \boldsymbol{f}_1 - \boldsymbol{f}_2 + C$		
	Principal component Analysis	$\boldsymbol{f}_k = [P_k^1,, P_k^m]$	$X_D = \left\ \boldsymbol{f}_1 - \boldsymbol{f}_2 \right\ $		
<i>b</i> : variable associated with the spectral channel <i>k</i> : variable associated with the acquisition date					
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CD in SAR Images: Comparison Operators				
Technique	Feature vector ${m f}_k$ at the time t_k	Computation of X_D		
Image rationing	$oldsymbol{f}_k = X_k^b$	$X_D = \boldsymbol{f}_2 / \boldsymbol{f}_1$		
Kullback-Leibler distance (Similarity measures)	$\boldsymbol{f}_k = [p(X_k)]$	$KL(X_2 X_1) = \int \log (f_1/f_2) f_1$		
Difference of scattering matrix element products	$\boldsymbol{f}_k = [S_{HH}S_{VV}^*]$	$X_D = \boldsymbol{f}_1 - \boldsymbol{f}_2$		
Difference of scattering matrix amplitude correlation coefficients	$oldsymbol{f}_{k}= & \left[rac{S_{HH}S_{VV}^{*}}{\sqrt{\left S_{HH} ight ^{2}\left S_{VV} ight ^{2}}} ight]$	$X_D = \boldsymbol{f}_1 - \boldsymbol{f}_2$		
k: variable associated with the acquisition date				
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