Index DataBase

A database for remote sensing indices

Search indices for »vegetation«

Nr	Name	Abbrev.	Formula	Variables
51	Soil and Atmospherically Resistant Vegetation Index	SARVI	$(1+L)\,\frac{800\text{nm}-(\text{Rr}-y(\text{RB}-\text{Rr}))}{800\text{nm}+-(\text{Rr}-y(\text{RB}-\text{Rr}))+L}$	
52	Soil and Atmospherically Resistant Vegetation Index 2	SARVI2	$2,5\,\frac{\text{NIR}-\text{RED}}{1+\text{NIR}+6\text{RED}-7,5\,\text{BLUE}}$	
53	Soil and Atmospherically Resistant Vegetation Index 3	SAVI3	$(1+0,5)\,\frac{833\text{nm}-658\text{nm}}{833\text{nm}+658\text{nm}+0,5}$	
54	Soil-adjusted vegetation index 2	SAVI2	$\frac{\text{NIR}}{\text{RED}+\frac{b}{a}}$	
55	Specific Leaf Area Vegetation Index	SLAVI	$\frac{\text{NIR}}{\text{RED}+\text{SWIR}}$	
56	Spectral Polygon Vegetation Index	SPVI	$0.4\,(3.7\,(800\text{nm}-670\text{nm})-1.2\,\lvert 530\text{nm}-670\text{nm}\rvert)$	
57	Tasselled Cap - Green Vegetation Index MSS	GVIMSS	$-0.283[500{:}600]-0.660[600{:}700]+0.577[700{:}800]+0.388[800{:}1100]$	
58	Tasselled Cap - vegetation	GVI	$-0.2848[450{:}520]-0.2435[520{:}600]-0.5436[630{:}690]+0.7243[760{:}900]+0.0840[1550{:}1750]-0.1800[2080{:}2350]$	
59	Tasselled Cap - Yellow Vegetation Index MSS	YVIMSS	$-0.899[500{:}600]+0.428[600{:}700]+0.076[700{:}800]-0.041[800{:}1100]$	
60	Transformed Soil Adjusted Vegetation Index	TSAVI	$\frac{B(\text{NIR}-B\cdot R-A)}{\text{RED}+B(\text{NIR}-A)+X(1+B^2)}$	B=B
61	Transformed Soil Adjusted Vegetation Index 2	TSAVI	$\frac{a\cdot\text{NIR}-a\cdot\text{RED}-b}{\text{RED}+a\cdot\text{NIR}-a\cdot b}$	
62	Transformed Vegetation Index	TVI	$\sqrt{(\text{NDVI})}+0,5$	
63	Triangular Vegetation Index	TVI	$0.5\,(120\,(750\text{nm}-550\text{nm})-200\,(670\text{nm}-550\text{nm}))$	
64	Vegetation Condition Index	VCI	$\frac{\text{NDVIj}-\text{NDVImin}}{\text{NDVImax}-\text{NDVImin}}\cdot 100$	
65	Vegetation Index 700	VI700	$\frac{700\text{nm}-[660{:}680]}{700\text{nm}+[660{:}680]}$	
66	Weighted Difference Vegetation Index	WDVI	$\text{NIR}-a\cdot\text{RED}$	
67	Wide Dynamic Range Vegetation Index	WDRVI	$\frac{0.1\text{NIR}-\text{RED}}{0.1\text{NIR}+\text{RED}}$	