

**Tab.11** Response surface regression equation of the surface runoff coefficient to the coupling of the composite index of the spatial distribution of cypress and the composite index of topography

Impact factor	Response surface regression equation	Partial derivative	P value
Composite index of the spatial distribution of cypress (V) and composite index of topography (U)	$M=0.0041U^2-0.000613V^2+0.00126U*V-0.053U+0.0198V+0.19$	$\partial M/\partial U=0.0082U+0.00126V-0.053$ $\partial M/\partial V=-0.001226V+0.00126U+0.0198$	0.022