

Tab.7 Response surface regression equation of the surface runoff coefficient to the coupling of the stand density of cypress and the composite index of surface roughness-runoff path density

Impact factor	Response surface regression equation	Partial derivative	P value
Stand density of cypress (T) and composite index of surface roughness-runoff path density (Q)	$M = -0.000098T^2 - 0.0035Q^2 - 0.00063T*Q + 0.0103T + 0.12Q - 0.29$	$\partial M / \partial T = -0.000196T - 0.00063Q + 0.0103$ $\partial M / \partial Q = -0.007Q - 0.00063T + 0.12$	0.041