Table 1: Numerical maximum errors obtained for example 1 at $t = 1$ with $\alpha = 0.6$.

		Finite volume method	method Scheme 1		method Scheme 2	
Δx	Δt	L_∞	C	L_∞	C	L_∞
$1/10$	10^{-1}	inf	–	inf	0.3	2.382×10^{-2}
	10^{-2}	1.080×10^{-1}	0.21	1.674×10^{-1}	0.54	3.529×10^{-2}
	10^{-3}	1.095×10^{-1}	0.54	5.497×10^{-2}	0.6	5.311×10^{-2}
	10^{-4}	1.096×10^{-1}	0.55	5.319×10^{-2}	0.6	5.464×10^{-2}

Table 2: Numerical maximum errors obtained for example 1 at $t = 1$ with $\alpha = 0.9$.

		Finite volume method	method Scheme 1		method Scheme 2	
Δx	Δt	L_∞	C	L_∞	C	L_∞
$1/10$	10^{-1}	inf	–	inf	0.3	2.382×10^{-2}
	10^{-2}	1.080×10^{-1}	0.21	1.674×10^{-1}	0.54	3.529×10^{-2}
	10^{-3}	1.095×10^{-1}	0.54	5.497×10^{-2}	0.6	5.311×10^{-2}
	10^{-4}	1.096×10^{-1}	0.55	5.319×10^{-2}	0.6	5.464×10^{-2}

We solve this example with two methods presented in this paper and the Finite volume method with several values of Δx, Δt and C at $T = 1$. Table 1 and 2 show the error norms.