TABLE I. Average execution time (in seconds) over 5 runs				
for scalar and vectorial field propagation using Rayleigh-				
Sommerfeld (RS, VRS) and Chirped z-transform (CZT,				
VCZT) in Diffractio and our approach. GPU times reflect				
the second run with pre-compiled jitted functions.				
	CPU			
	RS	CZT	VRS	VCZT
Diffractio	4.14	1.91	12.33	6.17
$Our\ approach$	2.39	1.39	5.22	4.04
	GPU			
	RS	CZT	VRS	VCZT
Diffractio	/	/	/	/
$Our\ approach$	0.006	0.027	0.151	0.075