



Question

The table shows the values of a function $f(x, y)$. Do you think that the limit of $f(x, y)$ as $(x, y) \rightarrow (0, 0)$ exists?

$x \setminus y$	-1.0	-0.5	-0.2	0	0.2	0.5	1.0
-1.0	0.00	0.60	0.92	1.00	0.92	0.60	0.00
-0.5	-0.60	0.00	0.72	1.00	0.72	0.00	-0.6
-0.2	-0.92	-0.72	0.00	1.00	0.00	-0.72	-0.92
0	-1.00	-1.00	-1.00		-1.00	-1.00	-1.00
0.2	-0.92	-0.72	0.00	1.00	0.00	-0.72	-0.92
0.5	-0.60	0.00	0.72	1.00	0.72	0.00	-0.6
1.0	0.00	0.60	0.92	1.00	0.92	0.60	0.00

- A. I think the limit exists, and I am confident.
- B. I think the limit exists, but I am not confident.
- C. I think the limit does not exist, but I am not confident.
- D. I think the limit does not exist, and I am confident.