```
white,
colti-
tle=white,
col-
back-
ti-
tle=definitiontitle,
ti-
tle=Definition

over-
lay
un-
bro-
ken
and
first=
[an-
chor=west,
font=,
text=definitionborder,
xshift=10pt,
yshift=-
8pt]
at
(frame.north
west)
i
```

Continuous Function A function $f: X \to Y$ between topological spaces is said to be **continuous** if for every open a Equivalently, a function $f: R \to R$ is continuous at a point c if for every $\varepsilon > 0$, there exists a $\delta > 0$ such that $-\infty$