[tikz, border=10pt]standalone [utf8]inputenc [ngerman]babel

tikz siunitx backgrounds tkz-euclide

¿=latex, inner sep=0pt,outer sep=0pt,mark coordinate/.style=inner sep=0pt, outer sep=0pt, minimum size=3pt, fill=black,circle

pgfplots compat=newest

document

background grid=[draw, black!20,step=5mm,line width=1pt] tikzpicture[scale=1.0, show background grid] /pgf/number format/.cd, fixed zerofill, precision=1, use comma, 1000 sep=.

(A) at (0,0.5); (B) at (4.5,1); (C) at (2,5);

atan(abs((((1-0.5)/(4.5-0) - (5-0.5)/(2-0)) / (1 + (5-0.5)/(2-0) * (1-0.5)/(4.5-0))))) atan(abs((((5-1)/(2-4.5) - (0.5-1)/(0-4.5)) / (1 + (5-1)/(2-4.5) * (0.5-1)/(0-4.5))))) atan(abs((((0.5-5)/(0-2) - (1-5)/(4.5-2)) / (1 + (0.5-5)/(0-2) * (1-5)/(4.5-2)))))

node[anchor=east, xshift=-1mm, yshift=0mm] at (A) A; node[anchor=west, xshift=1mm, yshift=0mm] at (B) B; node[anchor=south, xshift=0mm, yshift=1mm] at (C) C;

[color=black, line cap=round, line width=1pt, rounded corners=0.1] (A) – (B) – (C) – cycle;

[-¿, color=blue, size=1.5, draw, thick](B,A,C) [-¿, color=blue, size=1.5, draw, thick](C,B,A) [-¿, color=blue, size=1.5, draw, thick](A,C,B)

[color=black, dist=1.0](B,A,C) [color=black, dist=0.9](C,B,A) [color=black, dist=1.1](A,C,B)