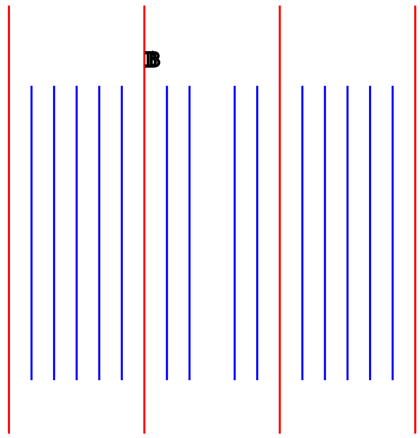
B

Observe that

$$\exp(\mathfrak{W}_{mn}(\ )) = \exp(\ \ _m(\ )) / \exp(\ \ _n(\ ))$$
$$=$$

the branch cut for $_{-1}$ is $(-\infty, 0]$. Further, both branches are closed on the top, meaning that for $\leq -1/$

$$_0(\;) = \lim_{y\downarrow 0} \; _0(\; + \;) \; ,$$

and for < 0

$$_{-1}$$

Figure 3. The domain of $\mathfrak{W}$ (the -plane). The branch cut is shown as two lines, one representing the upper side (ABC) and one representing the lower side (DEF). The points B and E are either side of $= -1/e$.

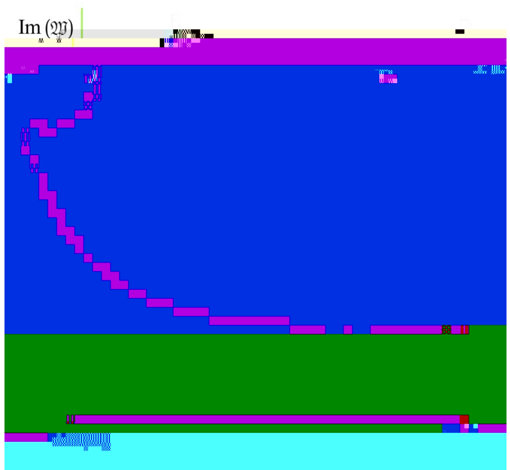

Figure 4. The range of $\mathfrak{W}_{0(-1)}(\ )$. The letters correspond to the points labelled by the same letters in the domain of $\mathfrak{W}$, shown in figure 3. Notice that the image lines BA and EF, together with the images of the other axes in the domain converge to 2π as a result of (14).

REFERENCES