Finite-sheeted covering maps over Klein bottle weak solenoidal spaces

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Let $\mathbf{p} = (p_i)$, $\mathbf{q} = (q_i)$ and $\mathbf{r} = (r_i)$ be sequences of integers such that $p_i \neq 0$ and r_i odd for each *i*. Klein bottle weak solenoidal space $\Sigma(\mathbf{p}, \mathbf{q}, \mathbf{r})$ is the inverse limit of an inverse sequence, where each term is Klein bottle *K* and each bonding map $f_{ii+1} = f_{(p_i,q_i,r_i)} : K \to K$ is a finite-sheeted covering map. Spaces $\Sigma(\mathbf{p}, \mathbf{q}, \mathbf{r})$ were introduced and classified up to homeomorphism by C. Tezer ([2]). Using shape-theoretic techniques we classified finite-sheeted covering maps over $\Sigma(\mathbf{p}, \mathbf{q}, \mathbf{r})$ (both pointed and unpointed case) and answered a related question under which conditions 2-dimensional compact connected Abelian group covers Klein bottle weak solenoidal space.

V.Matijević: Finite-sheeted covering maps over Klein bottle weak solenoidal spaces, preprint
C.Tezer: Shape classification of Klein-bottle-like continua, Quart. J. Math. Oxford (2) 40 (1989), 225-243.

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