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Some Results on Space-Like Line Congruences and Their Space-Like Parameter Ruled Surface

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Abstract: Using dual vectors, space-like ruled surfaces was introduced in [2]. In this paper, we define space-like line congruence and their space-like parameter ruled surfaces $\{\mathbf{R}_{1_1}(t)\}$ and $\{\mathbf{R}_{2_1}(t)\}$ of R_1^3 . Then, by choosing space-like parameter ruled surfaces as space-like principle ruled surfaces, we obtain some relations among the magnitudes of space-like ruled surfaces $\{\mathbf{R}_1(t)\}$, $\{\mathbf{R}_{1_1}(t)\}$.



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