

DIFFERENTIAL GEOMETRY OF VERONESE-LIKE AND  
LAGRANGE-LIKE WEBS

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We study the differential geometry of Veronese-like webs  $VLW_t(n, r)$  and Lagrange-like webs  $LLW_t(n, r)$ . They are similar to the well-known Veronese webs  $VW_t(n, r)$  but differ from them.

We prove that with the exception of the cases  $n = 2, r$  arbitrary and  $n = 3, r = 1$ , the webs  $VLW_t(n, r)$  are flat (parallelizable), and that with the exception of the case  $n = 2, r$  arbitrary the webs  $LLW_t(n, r)$  are flat (parallelizable).

If  $n = 2$ , then both, the webs  $VLW_t(n, r)$  and  $LLW_t(n, r)$  coincide with the set of isoclinic submanifolds of an isoclinic three-web  $W(3, 2, r) \subset X^{2r}$ .

If  $n > 2$ , then in general, the Veronese-like webs  $VLW_t(3, 1)$  are nonflat (nonparallelizable). The existence of such webs is proved, and their geometric properties are established..