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Autore	Roberts Brooks <1964->
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Soggetti	Representations of groups Automorphic forms Hecke operators
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	A Summary -- Representation Theory -- Paramodular Vectors -- Zeta Integrals -- Non-supercuspidal Representations -- Hecke Operators -- Proofs of the Main Theorems.
Sommario/riassunto	Local Newforms for $\mathrm{GSp}(4)$ describes a theory of new- and oldforms for representations of $\mathrm{GSp}(4)$ over a non-archimedean local field. This theory considers vectors fixed by the paramodular groups, and singles out certain vectors that encode canonical information, such as L-factors and epsilon-factors, through their Hecke and Atkin-Lehner eigenvalues. While there are analogies to the $\mathrm{GL}(2)$ case, this theory is novel and unanticipated by the existing framework of conjectures. An appendix includes extensive tables about the results and the representation theory of $\mathrm{GSp}(4)$.