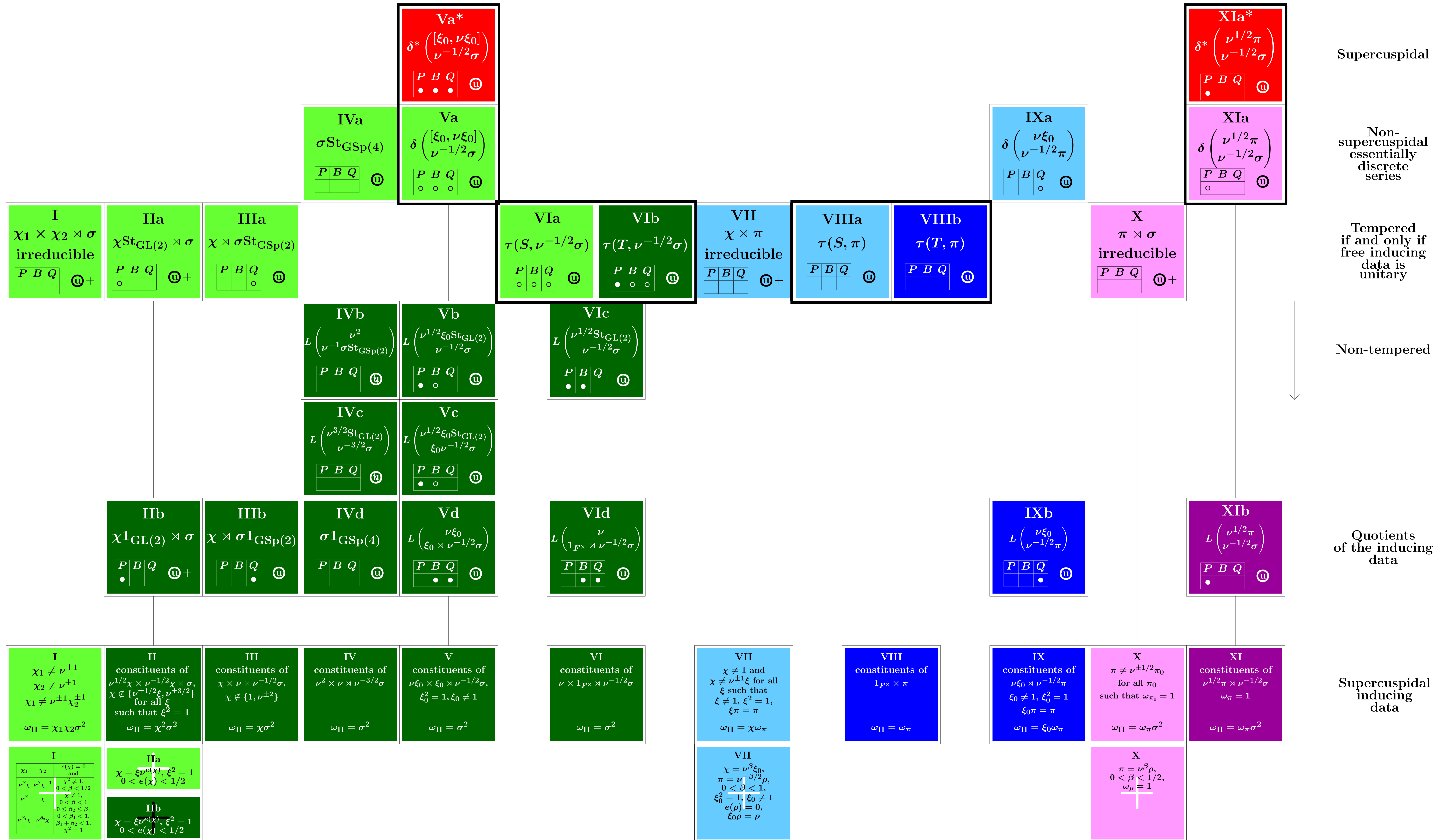


Irreducible Non-supercuspidal Representations of $\mathrm{GSp}(4, F)$



- Non-generic representations with support in the Borel subgroup
- Generic representations with support in the Borel subgroup
- Non-generic representations with support in the Klingen parabolic subgroup
- Generic representations with support in the Klingen parabolic subgroup
- Non-generic representations with support in the Siegel parabolic subgroup
- Generic representations with support in the Siegel parabolic subgroup
- Supercuspidal representations

A \bullet in the P -box means that the representation appears as a local component in cusp forms that are CAP with respect to P . A \circ in the P -box means that the representation appears as a local component in non-cuspidal liftings from $\mathrm{PGL}(2) \times \mathrm{PGL}(2)$. Similarly for the B and Q boxes. $A\oplus$ means that the representation is unitary if and only if all of the free inducing data (i.e., $\chi_1, \chi_2, \sigma, \chi$ or π) has exponent 0. $A\oplus+$ means that the representation is unitary if and only if the free inducing data has exponent 0, or that some of the free inducing data does not have exponent 0 and satisfies certain conditions. These conditions appear in a box with the $+$ symbol. It is assumed that the GL inducing data has been put into standard position, i.e., has non-negative exponents in descending order. An additional unstated condition is that the central character of the representation be unitary. $A\oplus$ means that the representation is non-unitary for all choices of the free inducing data. This poster is based on the work by P. Sally and M. Tadić, *Induced representations and classifications for $\mathrm{GSp}(2, F)$ and $\mathrm{Sp}(2, F)$* , Société Mathématique de France, Mémoire 52 (1993), 75–133. The poster was produced by Brooks Roberts and Ralf Schmidt. See gsp4.org for more information. (07/2006)

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