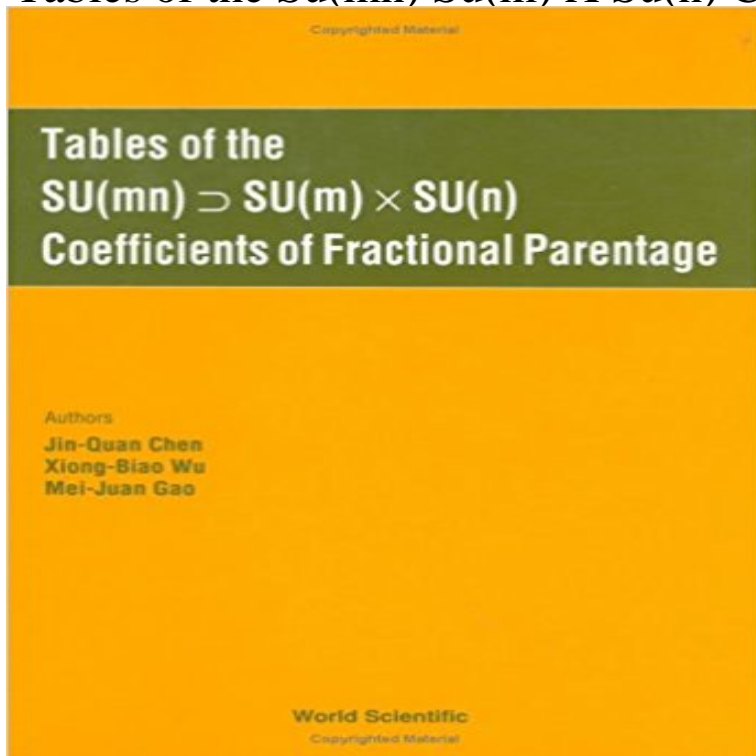


# Tables of the $SU(mn) \supset SU(m) \times SU(n)$ Coefficients of Fractional Parentage



The  $f_2$ -particle coefficients of fractional parentage for the group chain  $SU(mn) \supset SU(m) \times SU(n)$  or  $U(mn) \supset U(m) \times U(n)$ , with arbitrary  $m$  and  $n$  and with as many as possible symmetries, are tabulated for systems with up to six particles and for  $f_2$  equal up to three. All the coefficients are in the form of square roots of simple fractions. The algorithm for the CPF as well as the symmetries of the CFP are discussed.

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**Tables of the  $SU(mn) \supset SU(m) \times SU(n)$  Coefficients of Fractional Parentage** by Jin-Quan Chen, Xiong-Biao Wu, Mei-Juan Gao. This book provides extensive tables and indications of computational methods for the Clebsch-Gordan coefficients and isoscalar factors of the graded  $SU(mn) \supset SU(m) \times SU(n)$  group chain. The  $f_2$ -particle coefficients of fractional parentage for the group chain  $SU(mn) \supset SU(m) \times SU(n)$  or  $U(mn) \supset U(m) \times U(n)$ , with arbitrary  $m$  and  $n$  and with as many as possible symmetries, are tabulated for systems with up to six particles and for  $f_2$  equal up to three. All the coefficients are in the form of square roots of simple fractions. The algorithm for the CPF as well as the symmetries of the CFP are discussed.

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(Jin-Quan) [WorldCat Identities]** Hence this 80% hidden colour part (see table 1) would prevent the coefficients of fractional parentage for the group  $SU(12) \times SU(4) \times SU(3)$  [4,5].  $S_x(f_1), S_q(f)$  and the irreps of  $SU(m)$ ,  $SU(n)$  and  $SU(mn)$  (of the group chain.  $SU(mn) \times S(f) \times S(f_1) \times S(f_2)$  in the  $x$ ,  $y$  and  $q(x, y)$  spaces be respectively denoted by.  $?, ?$ . **hidden colour hypothesis - Indian Academy of Sciences** [1] Tables of one-body CFP for the group chains  $U(mn) \times D U\{m\} \times U(n)$  and [1] Tables of the  $SU(mn) \times SU(m) \times SU(n)$  Coefficients of Fractional Parentage, **PDF (965 KB) - World Scientific** We study the pionic decay of a possible dibaryon  $d \rightarrow N + N + \pi$  in the quantum numbers  $JP=0^-, T=0$  and a mass  $M \approx 2100$  MeV within the MIT bag.  $SU(24) \times SU(2) \times SU(12) \times SU(2) \times SU(6) \times SU(2) \times S$ ? 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