14 alternative solutions to the Ghosh population equation

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Abstract

In this paper, I describe 14 alternative solutions to the Ghosh population equation.
The paper ends with "The End"

Introduction

In a previous paper, I've described the Ghosh population equation and 14 solutions.
In this paper, I describe 14 alternative solutions to the Ghosh population equation.

14 alternative solutions to the Ghosh population equation

14 alternative solutions to the Ghosh population equation are

$$\alpha = 17, \beta = 50, \chi = 15, \delta = 56, \epsilon = 90, \phi = 20, \gamma = 72, \eta = 38, \iota = 15017 + 54000e^{38} + 56000e^{90} + 201600e^{128}$$

$$\alpha = 113, \beta = 67, \chi = 75, \delta = 58, \epsilon = 48, \phi = 23, \gamma = 46, \eta = 59, \iota = 2\left(57844 + 44689e^{48} + 115575e^{59} + 89378e^{107}\right)$$

$$\alpha = 134, \beta = 81, \chi = 3, \delta = 62, \epsilon = 31, \phi = 53, \gamma = 32, \eta = 18, \iota = 13013 + 7776e^{18} + 266166e^{31} + 160704e^{49}$$

$$\alpha = 337, \beta = 48, \chi = 49, \delta = 96, \epsilon = 97, \phi = 21, \gamma = 41, \eta = 35, \iota = 49729 + 96432e^{35} + 96768e^{97} + 188928e^{132}$$

$$\alpha = 422, \beta = 67, \chi = 98, \delta = 97, \epsilon = 28, \phi = 9, \gamma = 98, \eta = 20, \iota = 59516 + 643468e^{20} + 58491e^{28} + 636902e^{48}$$

$$\alpha = 449, \beta = 69, \chi = 49, \delta = 49, \epsilon = 76, \phi = 15, \gamma = 91, \eta = 96, \iota = 51164 + 50715e^{76} + 307671e^{96} + 307671e^{172}$$

$$\alpha = 530, \beta = 88, \chi = 95, \delta = 67, \epsilon = 45, \phi = 31, \gamma = 70, \eta = 73, \iota = 2\left(129845 + 91388e^{45} + 292600e^{73} + 206360e^{118}\right)$$

$$\alpha = 532, \beta = 6, \chi = 34, \delta = 52, \epsilon = 88, \phi = 98, \gamma = 1, \eta = 74, \iota = 4\left(5131 + 51e^{74} + 7644e^{88} + 78e^{162}\right)$$

$$\alpha = 638, \beta = 44, \chi = 73, \delta = 27, \epsilon = 87, \phi = 91, \gamma = 98, \eta = 29, \iota = 22\left(13315 + 14308e^{29} + 4914e^{87} + 5292e^{116}\right)$$

$$\alpha = 642, \beta = 12, \chi = 61, \delta = 87, \epsilon = 98, \phi = 58, \gamma = 54, \eta = 75, \iota = 6\left(7183 + 6588e^{75} + 10092e^{98} + 9396e^{173}\right)$$

$$\alpha = 663, \beta = 7, \chi = 68, \delta = 30, \epsilon = 47, \phi = 60, \gamma = 18, \eta = 31, \iota = 9\left(3247 + 952e^{31} + 1400e^{47} + 420e^{78}\right)$$

$$\alpha = 769, \beta = 5, \chi = 90, \delta = 11, \epsilon = 10, \phi = 74, \gamma = 89, \eta = 56, \iota = 34069 + 4070e^{10} + 40050e^{56} + 4895e^{66}$$

$$\alpha = 816, \beta = 7, \chi = 66, \delta = 23, \epsilon = 88, \phi = 88, \gamma = 35, \eta = 46, \iota = 41472 + 16170e^{46} + 14168e^{88} + 5635e^{134}$$

$$\alpha = 898, \beta = 12, \chi = 79, \delta = 50, \epsilon = 83, \phi = 99, \gamma = 35, \eta = 72, \iota = 10\left(9475 + 3318e^{72} + 5940e^{83} + 2100e^{155}\right)$$

The End