p. 25 line 15

$$\alpha_1^{\pm}=\frac{1}{2(1-l_2)^2H_3^2c^{\pm}l_1^2\left(1-4rq^{\pm 2}(1-l_2)l_1(l_2-l_1)\right)}$$

$$\times\Big(\alpha^{\pm 2}H_3^2l_1^2(1-l_2)^2\left(-12rq^{\pm 2}l_1(1-l_2)(l_2-l_1)-1\right)+\alpha^{\pm}H_3c^{\pm}(1-l_2)l_1\Big(4rq^{\pm 2}(1-l_2)^2(l_2-l_1)l_1\left(-20l_1q^{\pm}+11\right)+$$

$$+16q^{\pm 2}l_1^2(1-l_1)(l_2-l_1)+2q^{\pm}l_1(l_2-l_1)+5(1-2l_2)\Big)+12rq^{\pm 2}c^{\pm 2}(1-l_2)^3(l_2-l_1)l_1\left(-10q^{\pm 2}l_1^2+15q^{\pm}l_1-3\right)+$$

$$+12q^{\pm 3}c^{\pm 2}l_1^3\left(-4l_1^3+3l_1^2(3+l_2)+l_1\left((1-l_2)^2+6(1-l_2)-12\right)+(5-l_2)l_2\right)-$$

$$-18q^{\pm 2}c^{\pm 2}l_1^2\left(2l_1^2(3-l_2)+l_1\left(2(1-l_2)^2+(1-l_2)-8\right)+l_2(5-l_2)\right)+18q^{\pm}c^{\pm 2}l_1(1+l_2)(l_2-l_1)-$$

$$-6c^{\pm 2}\left(3(1-l_2)^2-3(1-l_2)+1\right)\Big)$$

$$\gamma_1^{\pm}=\frac{1}{12c^{\pm}H_3l_1(1-l_2)\left(1-4rq^{\pm 2}l_1(1-l_2)(l_2-l_1)\right)}\times\Big(\left(144rq^{\pm}H_3l_1^2(1-l_2)^2(l_1-l_2)-12H_3l_1(1-l_2)\right)\beta+$$

$$+\Big(\left(8H_3^3l_1^2c^{\pm}(1-l_2)^2\left(l_1^3-l_2^3\right)+24H_3^3l_1^3c^{\pm}(1-l_2)^2(l_1-l_2)\right)rq^{\pm}-2H_3^3l_1c^{\pm}(1-l_2)\left(l_1^2-l_2^2\right)\Big)\alpha+$$

$$+\Big(384l_1^2c^{\pm}q^{\pm 3}r(1-l_2)^2(l_1-l_2)-240l_1c^{\pm}q^{\pm 2}r(1-l_2)^2(l_1-l_2)+48l_1^2c^{\pm}q^{\pm 2}\left(l_1^2-l_1(1+l_2)+l_2\right)+$$

$$+24c^{\pm}\left(q^{\pm}l_1(l_2-l_1)+1+2l_2\right)\Big)\beta+\Big(40H_3^2c^{\pm 2}(1-l_2)^2\left(q^{\pm 3}l_1^2\left(l_1^3-l_2^3\right)-q^{\pm 2}l_1\left(l_1^3-l_2^3\right)\right)+120H_3^2c^{\pm 2}(1-l_2)^2\times$$

$$\times q^{\pm 3}l_1^3\left(l_2^2-l_2l_1\right)-96H_3^2c^{\pm 2}q^{\pm 2}(1-l_2)^2l_1^2\left(l_2^2-l_2l_1\right)+4H_3^2c^{\pm 2}q^{\pm}(1-l_2)^2\left(l_2l_1^2-l_1^3\right)\Big)r+\Big(12l_1^4-$$

$$-4l_1^3(5+7l_2)+4l_1^2\left(11(1-l_2)^2-3-21l_2\right)+4l_1\left(7(1-l_2)^3-22(1-l_2)^2+21(1-l_2)-12\right)-$$

$$-4l_2\left(7(1-l_2)^2-4(1-l_2)+3\right)\Big)H_3^2c^{\pm 2}q^{\pm 2}l_1^2+\left(20l_1^3(1-l_2)-12l_1^2(3-2l_2)-4l_1(5(1-l_2)^3-\right.$$

$$\left.-11(1-l_2)^2+6(1-l_2)-6\right)H_3^2c^{\pm 2}q^{\pm}l_1+\left(l_1^2(1-4l_2)-l_2^2(1-4l_2)\right)H_3^2c^{\pm 2}\Big)$$

$$\gamma_2^{\pm} = \frac{1}{12c^{\pm}H_3 l_1(1-l_2)\left(1-4rq^{\pm 2}l_1(1-l_2)(l_2-l_1)\right)} \times \Big(\big(216rq^{\pm}H_3 l_1^2(1-l_2)^2(l_1-l_2) - 18H_3 l_1(1-l_2)\big)\beta +$$

$$+ \Big(\big(24H_3^3 l_1^2 c^{\pm}(1-l_2)^2(l_1^3-l_2^3) + 72H_3^3 l_1^3 c^{\pm}(1-l_2)^2(l_1-l_2)\big)rq^{\pm} - 6H_3^3 l_1 c^{\pm}(1-l_2)\big(l_1^2-l_2^2\big)\Big)\alpha +$$

$$+ \Big(192l_1^2 c^{\pm}q^{\pm 3}r(1-l_2)^2(l_1-l_2) - 48l_1 c^{\pm}q^{\pm 2}r(1-l_2)^2(l_1-l_2) + 96l_1^2 c^{\pm}q^{\pm 2}\big(l_1^2 - l_1(1+l_2)+l_2\big) +$$

$$+ 12c^{\pm}\big(2q^{\pm}l_1(l_2-l_1)+1+2l_2\big)\Big)\beta + \Big(56H_3^2 c^{\pm 2}(1-l_2)^2\Big(q^{\pm 3}l_1^2\big(l_1^3-l_2^3\big) - q^{\pm 2}l_1\Big(\frac{13}{7}l_1^3 - l_2^3\Big)\Big) + 168H_3^2 c^{\pm 2}(1-l_2)^2 \times$$

$$\times q^{\pm 3}l_1^3\big(l_2^2 - l_2 l_1\big) - 96H_3^2 c^{\pm 2}q^{\pm 2}(1-l_2)^2 l_1^2\Big(\frac{5}{2}l_2^2 - l_2 l_1\Big) - 4H_3^2 c^{\pm 2}q^{\pm}(1-l_2)^2\big(l_2 l_1^2 - l_1^3\big)\Big)r + \big(12l_1^4 -$$

$$- 4l_1^3(7+5l_2) + 4l_1^2\big(19(1-l_2)^2 + 3 + 15l_2\big) + 4l_1\big(17(1-l_2)^3 - 38(1-l_2)^2 + 15(1-l_2) - 12\big) -$$

$$- 4l_2\big(17(1-l_2)^2 - 2(1-l_2) + 3\big)\Big)H_3^2 c^{\pm 2}q^{\pm 2}l_1^2 + \big(52l_1^3(1-l_2) - 12l_1^2(9-8l_2) - 4l_1\big(13(1-l_2)^3 -$$

$$- 19(1-l_2)^2 - 6(1-l_2) - 6\big)H_3^2 c^{\pm 2}q^{\pm}l_1 + \big(l_1^2(5-8l_2) - l_2^2(5-8l_2)\big)H_3^2 c^{\pm 2}\Big)$$

$$\beta_1^{\pm} = \frac{1}{720c^{\pm}\left(1-4rq^{\pm 2}l_1(1-l_2)(l_2-l_1)\right)} \times \Big(\big(-360 + 4320l_1(1-l_2)(l_1-l_2)rq^{\pm 2}\big)\beta^2 +$$

$$+ \Big(480H_3^2 c^{\pm}rq^{\pm 2}l_1(1-l_2)\big(l_1^3-l_2^3\big) + 1440H_3^2 c^{\pm}rq^{\pm 2}l_1^2(1-l_2)\big(l_2^2 - l_2 l_1\big) - 120H_3^2 c^{\pm}\big(l_1^2 - 2l_2 + l_2^2\big)\Big)\beta +$$

$$+ \Big(\big(12l_1\big(l_1^5 - l_2^5\big) + 60l_1^2\big(l_2^4 - l_2 l_1^3\big) + 120l_1^3\big(l_1 l_2^2 - l_2^3\big)\big)q^{\pm 2} + \big(14l_2 l_1^4 - 20l_2^3 l_1^2 + 6l_2^5\big)q^{\pm}\Big)H_3^4 c^{\pm 2}(1-l_2)r +$$

$$+ \Big(-6l_1^6 + 30l_1^5 + 20l_1^4\big(-3 + (1-l_2)^2\big) + 60l_1^3 l_2(2-l_2) - 2l_1^2\big(7(1-l_2)^4 - 30(1-l_2)^2 + 15\big) +$$

$$- 2l_1 l_2(2-l_2)\big(7(1-l_2)^2 - 3\big)\Big)H_3^4 c^{\pm 2}q^{\pm}l_1 + \Big(-7l_1^4 + 10l_1^2 l_2(2-l_2) + l_2(2-l_2)\big(7(1-l_2)^2 - 3\big)\Big)H_3^4 c^{\pm 2}\Big)$$

$$\widetilde{\alpha}^{\pm}(1-l_2, 1-l_1, \frac{1}{r}) = \alpha^{\pm}(l_1, l_2, r),$$

$$\widetilde{\alpha}_1^{\pm}(1-l_2, 1-l_1, \frac{1}{r}) = \alpha_1^{\pm}(l_1, l_2, r),$$

$$\widetilde{\gamma}_1^{\pm}(1-l_2, 1-l_1, \frac{1}{r}) = \gamma_1^{\pm}(l_1, l_2, r),$$

$$\widetilde{\gamma}_2^{\pm}(1-l_2, 1-l_1, \frac{1}{r}) = \gamma_2^{\pm}(l_1, l_2, r)$$

p. 26 line 16

Delete: The analytical expressions for the coefficients are available on request from Oxana Kurkina (oksana.kurkina@mail.ru)

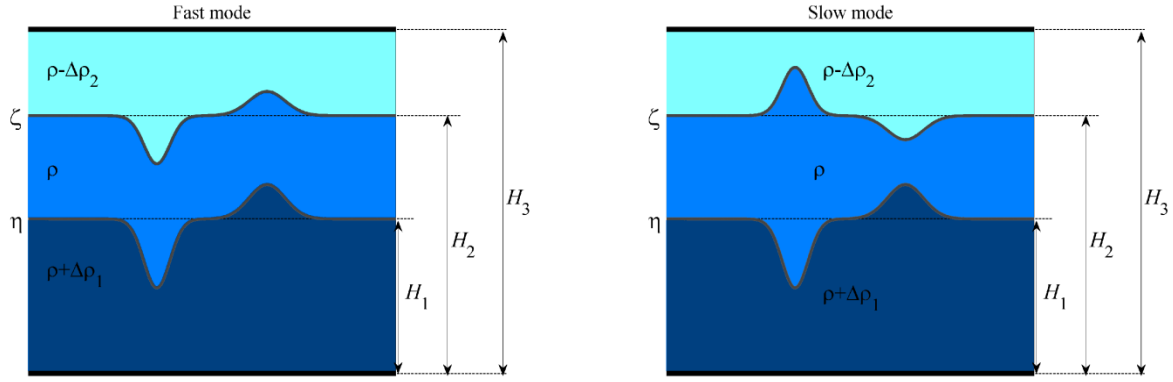
p. 29 line 30

Delete: +

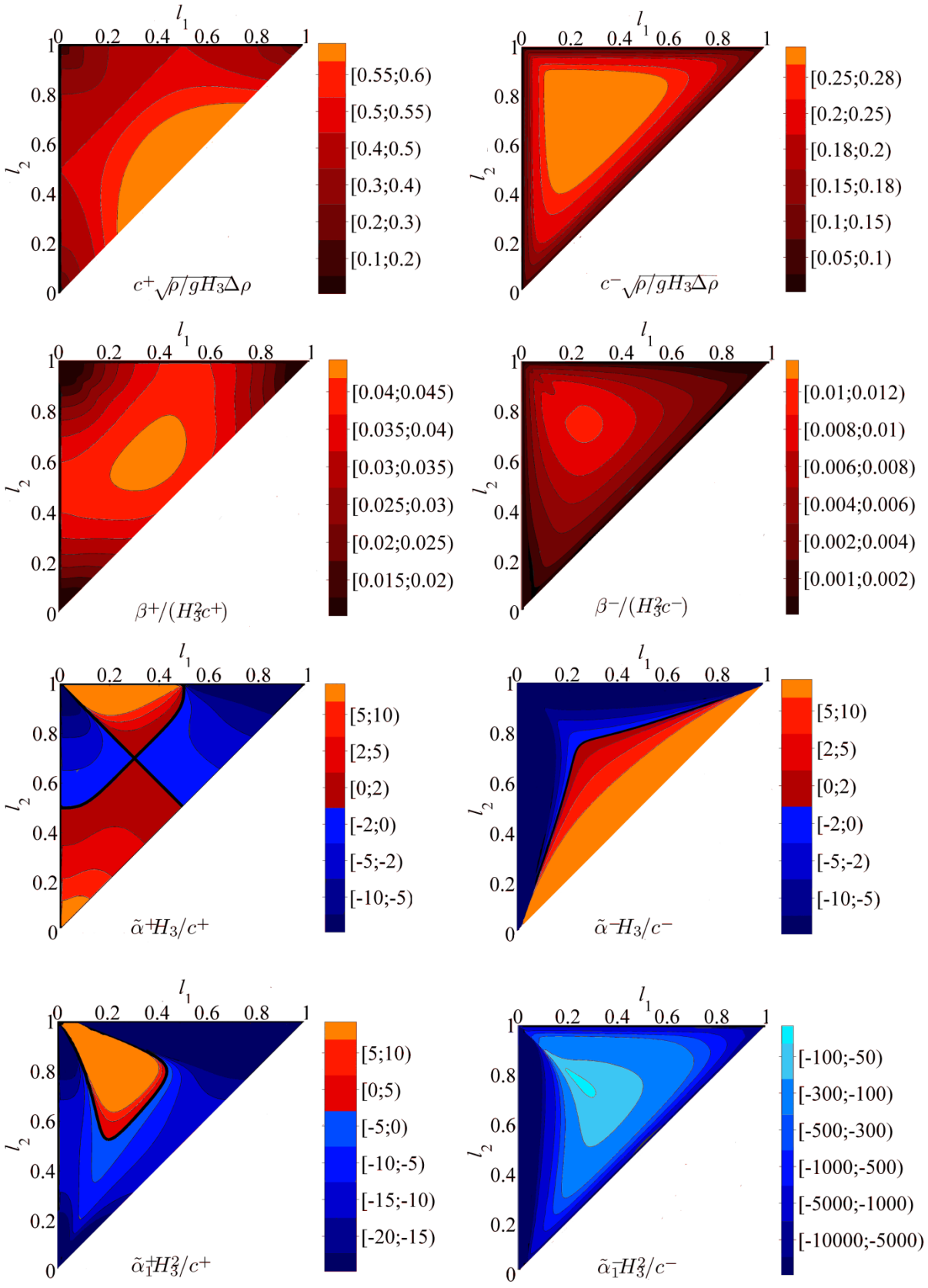
p. 30 line 25

Delete: +

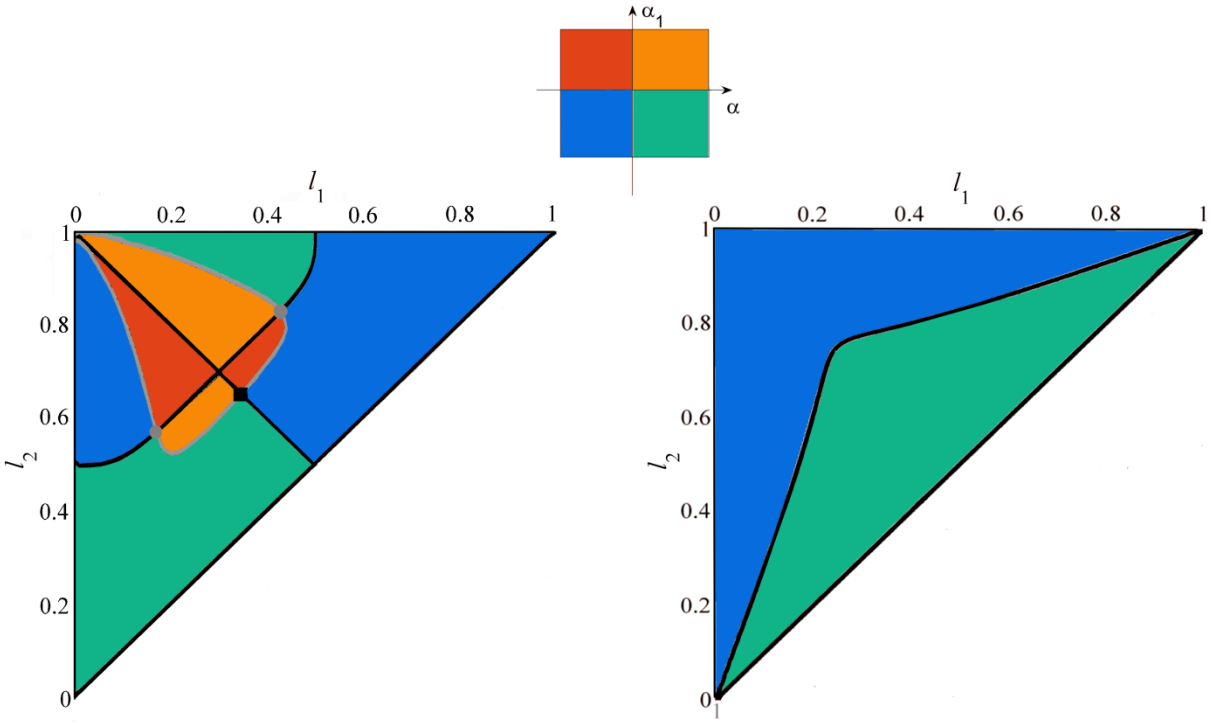
p. 32
Substitute for



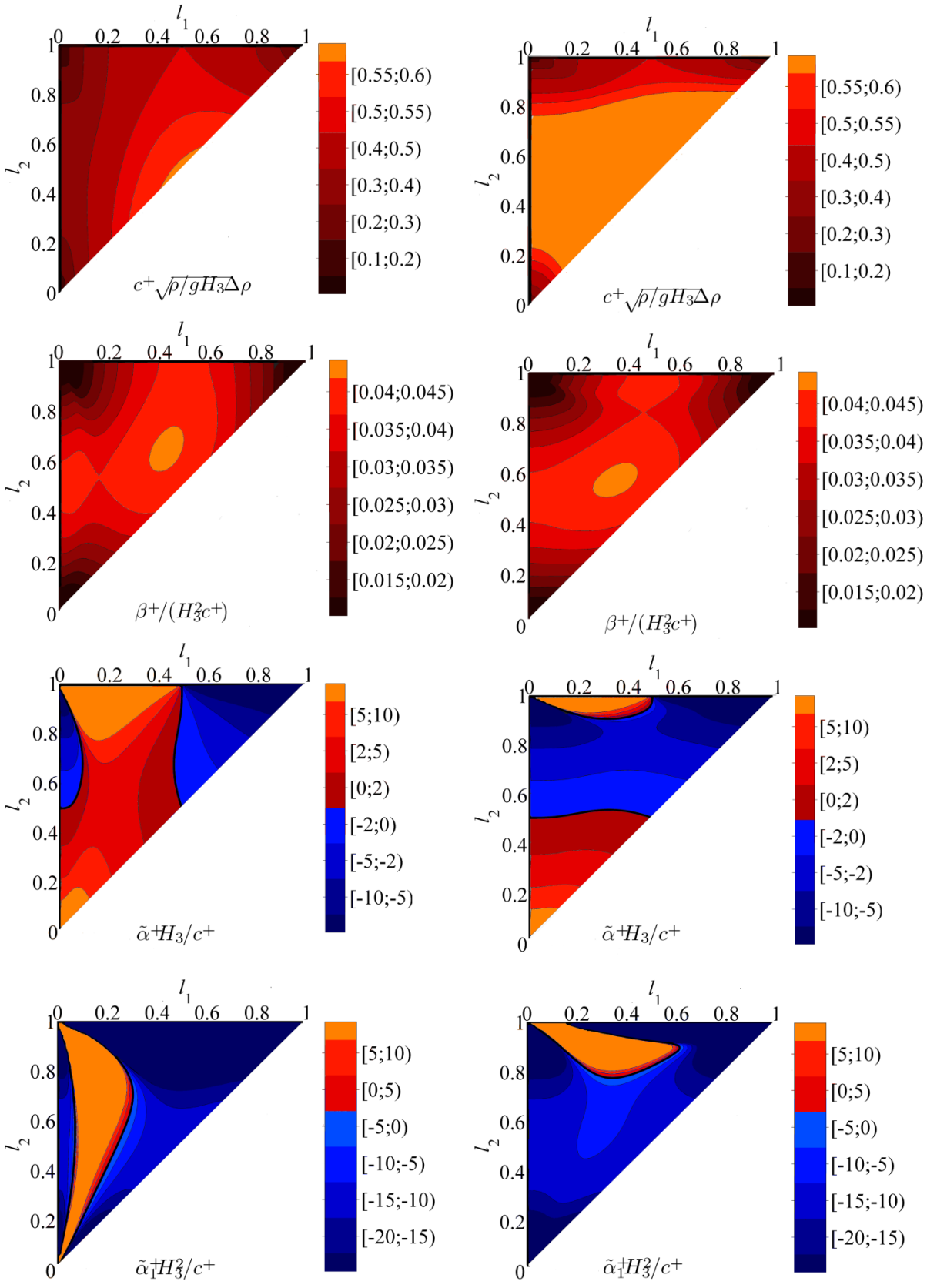
p. 34
Substitute for



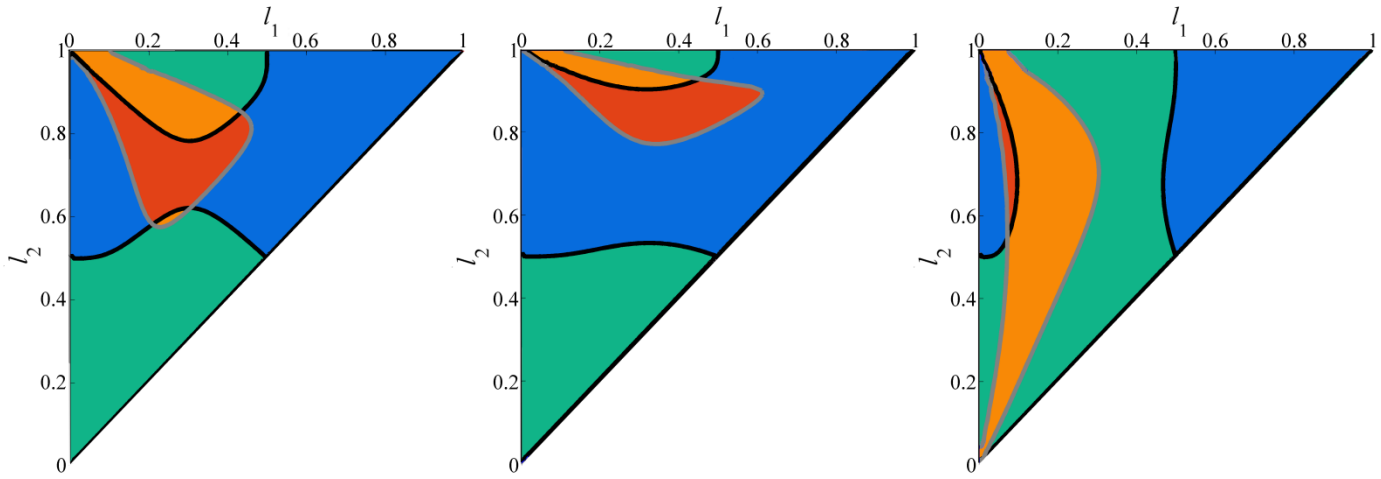
p. 35
Substitute for



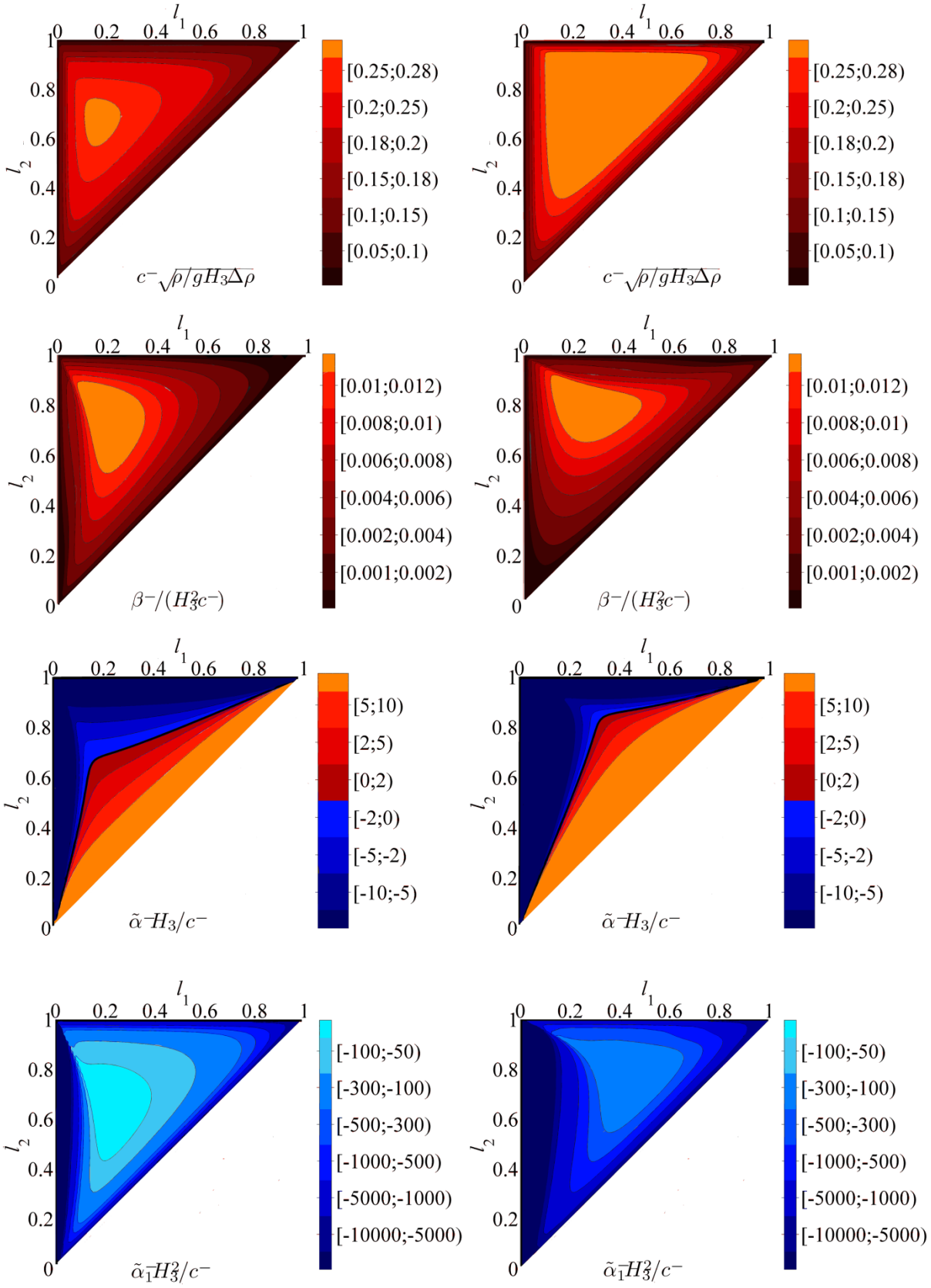
p. 38
Substitute for



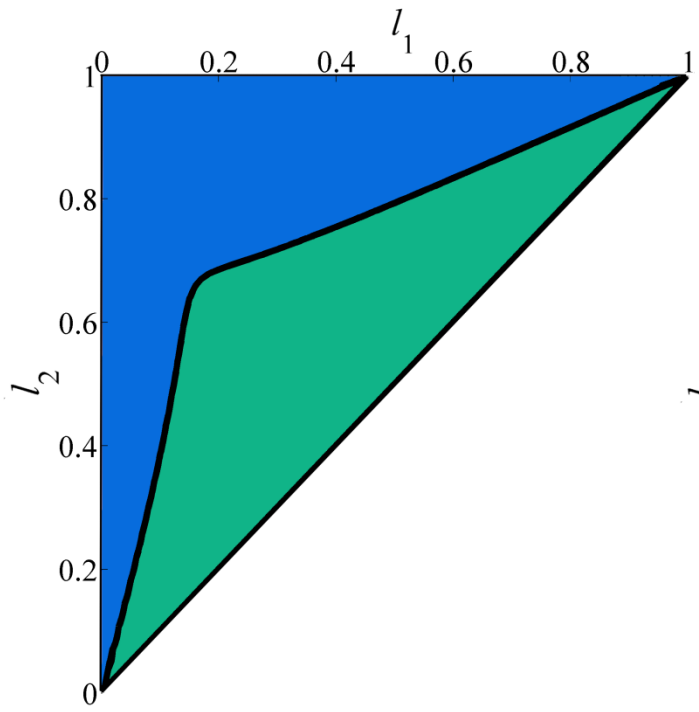
p. 39
Substitute for

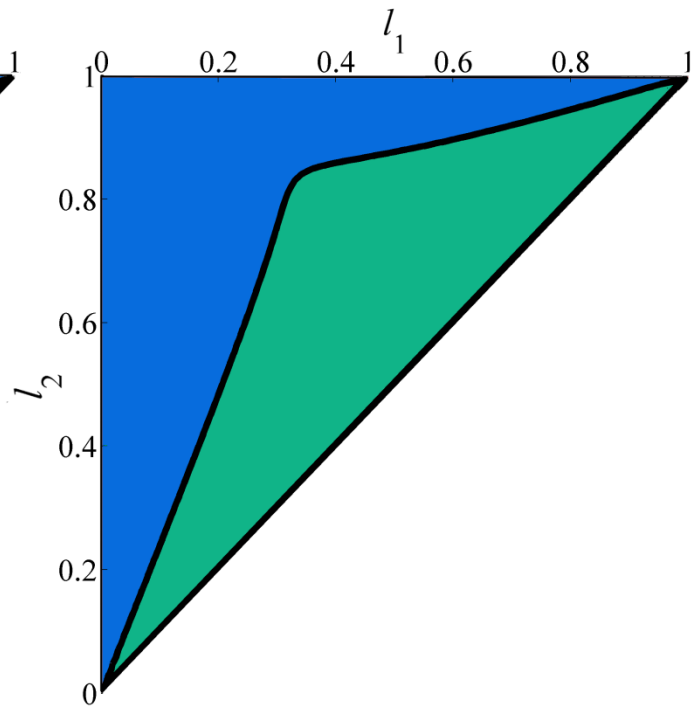


p. 40
Substitute for



p. 41
Substitute for





p. 15 line 4

Delete formula (30)

p. 12 line 10

(28) substitute for (26)

p. 6 line 7

Paste: Some coefficients at the nonlinear terms may vanish even in a two-layer fluid with the surface tension between the layers too (Giniyatullin et al., 2014; Kurkina et al., 2015). After: This feature is common for several wave classes in stratified environments.

p. 15 line 13

Delete: only

one substitute for two

p. 27 line 19

Paste: Giniyatullin A.R., Kurkin A.A., Kurkina O.E., Stepanyants Y.A. Generalised Korteweg–de Vries equation for internal waves in two-layer fluid. Fundamental and Applied Hydrophysics, 2014, v. 7, n. 4 (in Russian).

p. 28 line 29

Paste: Kurkina O., Singh N., Stepanyants Y. Structure of internal solitary waves in two-layer fluid at near-critical situation. Comm. Nonlin. Sci. Num. Simulation, 2015, v. 22, n. 5, 1235–1242.