
22 Lemma 4.18 on dimensions

General substitution

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In[ ]:= Clear[h, p, eps, r0, m0]
hpsub = {j1 → (h - 3 p) / 2, j2 → (h + 3 p) / 2, nu1 → Abs[h + p] / 2, nu2 → Abs[h - p] / 2};
mrsub = {m0[j1] → eps (p - r0) / 2, m0[j2] → -eps (r0 + p)};
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22a. Case $0 < m_0(j_1) < p$, and $\varepsilon = 1$

22b. Case $m_0(j_1) = 0$, and $\varepsilon = 1$

22c. Case $0 < m_0(j_2) < p$, and $\varepsilon = -1$

22d. Case $m_0(j_2) = 0$, and $\varepsilon = -1$

22e. Case $0 \leq m_0(j_2) < m_0(j_1)$ and $\varepsilon = 1$

22f. Case $0 \leq m_0(j_1) < m_0(j_2)$ and $\varepsilon = -1$