

**Corrections to the book “Introduction to representation theory”
by Etingof et al, AMS, 2011
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Problem 2.8.6: Q assumed finite, add the relation $\sum_{i \in I} p_i = 1$.

Corollary 4.2.4: Any finite dimensional representation...

p.5 of proof of Proposition 5.2.5: $p(x)$ should be replaced with $p(z)$.

Lemma 5.13.3: $n!$ should be replaced with $\frac{n!}{|P_\lambda||Q_\lambda|}$ in the lemma and its proof. The coefficient of 1 in c_λ is $\frac{1}{|P_\lambda||Q_\lambda|}$.

Corollary 5.15.4: in the numerator of the rightmost expression, replace 1 with $(-1)^\sigma$.

p.131, lines 5-9 should read: “Thus, R is a quotient of a direct sum of representations of the form $S^r(V \otimes V^*) \otimes (\wedge^N V^*)^{\otimes s}$, where the group action on V^* in the product $V \otimes V^*$ is trivial. So we may assume that Y is contained in a quotient of a (finite) direct sum of such representations. Thus, Y is contained in a direct sum of representations of the form $V^{\otimes n} \otimes (\wedge^N V^*)^{\otimes s}$, and we are done.”

p.131, line 14, replace $f(gx) = gf(x)$ with $f(xg) = g^{-1}f(x)$.

End of 5.25.3, add: V_{λ_1, λ_2} and W_μ are called principal series representations.

p.141, after line 6, add: These representations are called complementary series representations.

Line 4 of proof of Theorem 5.27.1: (y, a) should be $y(a)$.

Line 4 of Remark 6.4.11: replace s_i with $s_i := s_{\alpha_i}$.

The formula on p.165, line 3 should look like: $\bigoplus_{j \rightarrow i} V_j \rightarrow V_i$.

p.170, line 10 of 6.8: \overline{Q}_n should be \overline{Q}_r .

Line 1 of proof of Corollary 6.8.2: By the proof of Theorem 6.8.1...

Line 1 of proof of Corollary 6.8.3: Let i be the smallest integer such that...

Example 7.2.2(3): The opposite category of a given category \mathcal{C} , denoted by \mathcal{C}^{op} , is...

Proof of Proposition 9.1.1: Starting line 4 of the proof, a should be replaced by $-a$.

p.210, line 4: e_0 should be replaced by e_{k-1} .