Thanks to S. Dahari, M. Schein, and Liu Wanmin.

1. Extra result needed on p. 243

**Lemma:** If an affine integral domain $R$ is an integral extension of $C$, then every saturated chain $P \supset \cdots \supset P'$ of prime ideals of $R$ intersects down to a saturated chain of prime ideals $P \cap C \supset \cdots \supset P' \cap C$ of $C$.

**Proof:** Passing to $R/P'$ and $C/(P' \cap C)$, one may assume that $P' = 0$, and it suffices to prove that if $P$ has height 1, then so does $P \cap C$. But $C$ is integral over some polynomial ring $C'$, so $R$ is integral over $C'$. By Going Down (Theorem 6.47), $P \cap C'$ has height 1. But this implies $P \cap C$ has height 1. □

Also, Exercise 6.8 on page 265 is harder than desirable.

2. Misprints

**Chapter 2**
- Page 66 line -9: $A$ has the form $\begin{pmatrix} r & 0 \\ 0 & A' \end{pmatrix}$, where $\rho(r) = d$ and
- Page 72 line -3: $\bar{\lambda} = \lambda + F[\lambda]d_i$

**Chapter 6**
- Page 182 line -8: If $A_1$,
- Page 188 line -84: Lemma 6.29. But if

**Chapter 8**
- Page 211 line 8: By Example 3.3,
- Page 235 line -9: $S = R \setminus (P_1 \cup \cdots \cup P_t)$.

**Exercises**
- Page 252, #44: The equation $\lambda^3 + b^2 \lambda - 2b^2 c = 0$
- Page 280, line 10: is called faithful if
- Page 281, line 11: $\cap_{n \in \mathbb{N}} A^n = 0$.

**Chapter 10**
- Page 302, line 2.3: $\phi^* f(w_1, \ldots, w_n) = f(\phi(w_1), \ldots, \phi(w_n))$

**Chapter 11**
- Page 314, line 23: Definition 10.43
- Page 317, line 6: Exercise 10.23

**List of major results**
- Page 413, line -7: $(C + I)/I$
- Page 418, line -11: $K[\sqrt{-1}]$

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