

Chap2_ExtraHomeworkProblems

Monday, May 28, 2012
2:28 PM

- ⑨ Describe the composition ${}^A\{s\}_B \oplus {}^B\{s\}_C \sim {}^A T_B {}^B T_C$ geometrically.
- ⑩ " " inverse $({}^A T_B)^{-1}$ geometrically.
- ⑪ Show that in the plane, rotations commute,
i.e., $R_1 R_2 = R_2 R_1$.
- ⑫ Derive the complete solution to $\text{tr}2\text{rpy}(R)$, where R is a valid rotation matrix. Identify the singular cases.