



Figure IV.15: The two possibilities for the sign of $\mathbf{s}_1 \times \mathbf{s}_2$. In (a), $\mathbf{s}_1 \times \mathbf{s}_2 < 0$; in (b), $\mathbf{s}_1 \times \mathbf{s}_2 > 0$. In each case, there are two values for β where the points $\mathbf{s}_1(\beta)$, $\mathbf{s}_2(\beta)$, and \mathbf{u} are collinear. The values β^+ and β^- are the solutions to equation (IV.22) obtained with the indicated choice of plus/minus sign. For both (a) and (b), $\beta = \beta^-$ is between 0 and 1 and is the desired root.