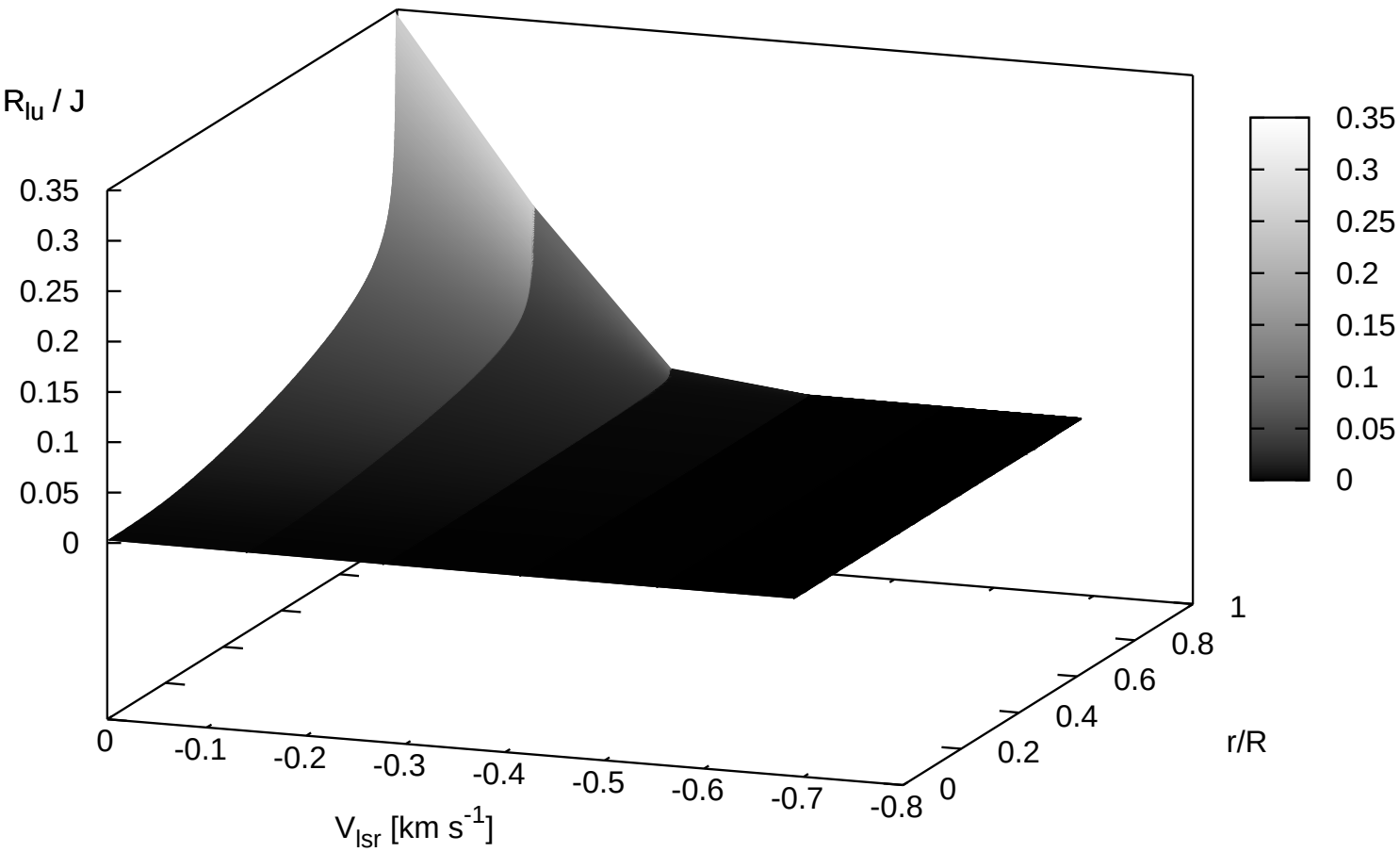
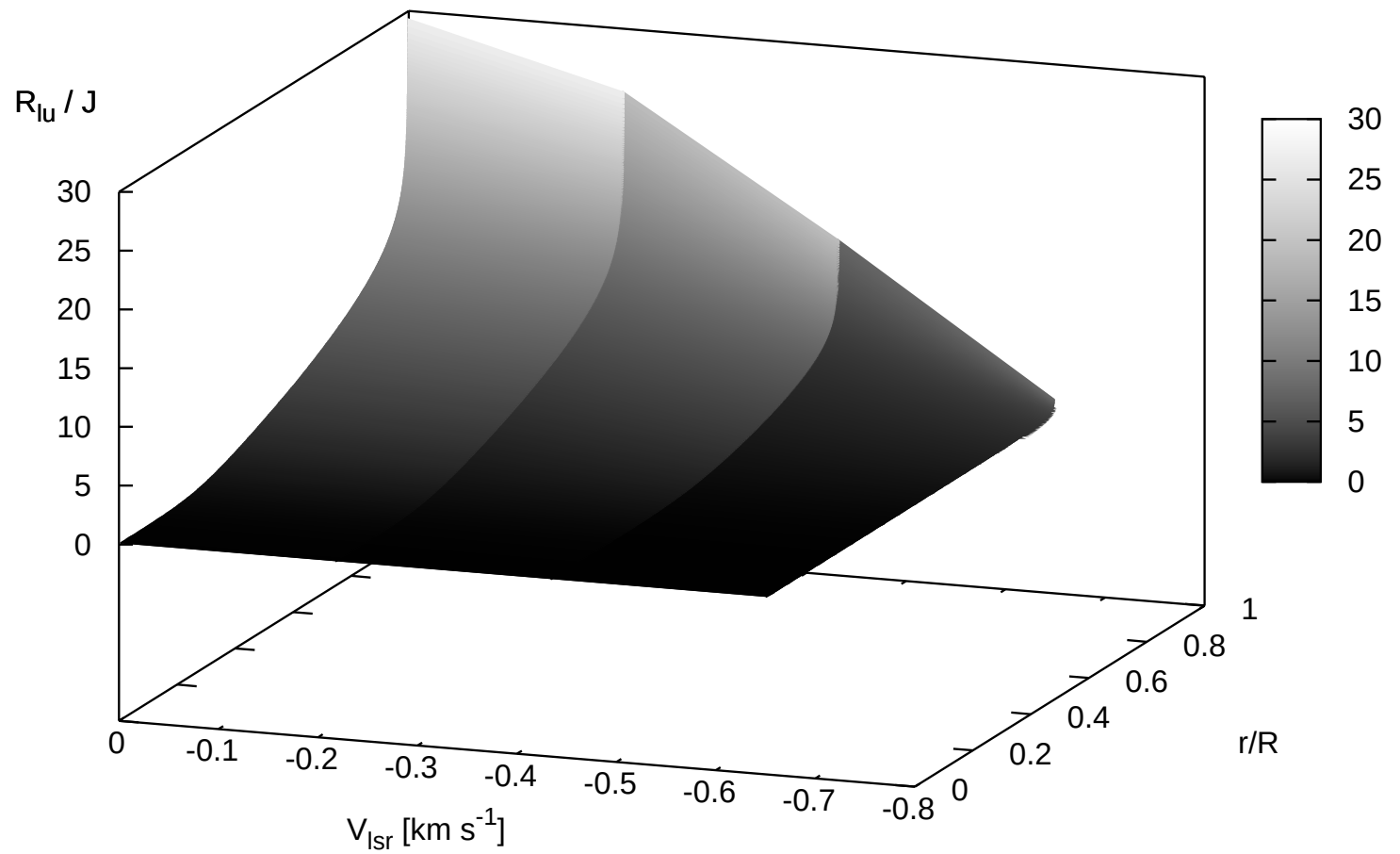


(a) exact treatment



(b) approximated treatment