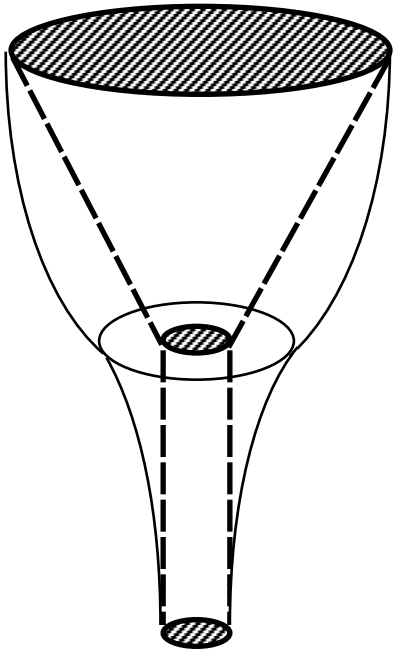
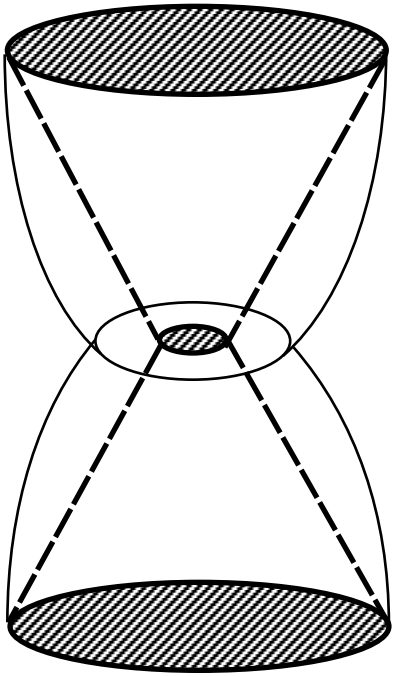


(a) constant event horizon



(b) shrinking event horizon