re: time-traveling

how to show on video ?

how to show in character ?   costume that can be left as shell in
    chair?

character is at times extremely old ... older than should be
    possible, like a redwood

character leaves ancient shell ... becomes young ... becomes male
    or female ... becomes spirit/soul ... flies

character as "it" ... "das" ... name: SH ??? (to use as pronounced
    in several languages to blur associations)

character functions as time-traveler, philosopher, theoretical physicist,
    everyman
- experiences the world
- controls environment
- is trapped and searching for means to alter circumstances
- is god?

character causes demonstration ... EX: cylinder drops down and
    surrounds camera; on inside of cylinder are stars. camera rotations,
    caused by voice, show different positions in universe
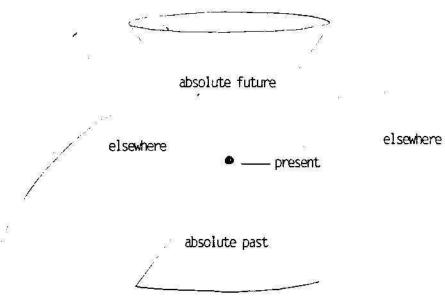
character exits into black hole or blinding light

EVENTS IN THE ELSEWHERE

video sequences to be shot that occur during prologue/overture or throughout the piece:

(1) broken teacups jumping up and reassembling themselves onto table

(2) gravity/anti-gravity demonstration: object/apple falling up/down
  - on matrix/wall, time delay so that same sequence appears to allow apple/object to fall up from bottom monitor to top and perhaps fly above video matrix as solid object in space
  - object/apple floating in space (suspended by wires)
  - object/apple growing to enormous size ... appearing on projection screen or as slide projection

(3) Big Bang: shooting/falling stars/universes, falling in to center; explosion of light in center (sound or no sound)

(4) animation? cones (of light)
    ref: events in the elsewhere (see illustration)

absolute future

elsewhere   elsewhere

●——— present

absolute past

EVENTS IN THE ELSEWHERE

Light:

character holds triangular piece of glass (ref: Newton)

  or, giant triangular piece of glass drops from above

  light passes through tiangle of glass resulting in prismatic colors

or, do above on/with video

or, do with lasers

red-shift/Doppler effect:

  stars moving away from us have spectra shifted toward red end of spectrum

  stars moving toward us are blue-shifted

 show with video?

 show with stage lighting?

character (as god) clutches star (ball of light), tosses away, causes

  red-shift ... show somehow!

re: camera motion

[Hawking: p.37,par.2: " We live in a galaxy that is about one hundred

thousand light-years across and is slowly rotating; the stars in its spiral

arms orbit around its center about once every several hundred million

years."]

rotate

spiral

spin

EVENTS IN THE ELSEWHERE

re: (2) gravity/anti-gravity demonstration(s)

the Newton fable about his recognizing the theory of gravity when apple fell on his head is one that is almost universally recognized by anyone with a public-school education

the fantasy/play is with anti-gravity ... when apple goes up but does not come down ... or goes up and continues going ... or floats in space ... or begins expanding to gigantic/unreal dimensions

re: (1) broken teacups reassembling

Hawking gives this example of a universe that is other than the one we seem to be living in.

Parallel universe(s)?   How to demonstrate?

re: (4) cones of light/events in the elsehwere

possible scenario: character is trying to avoid its destiny

- trying to stay away from the resultant cone of absolute future
- character appears within animated environment (superimposed?),
    moving around (almost like video game) trying to avoid the cones

more video sequences/images:

— $E = mc^2$ (signing loop)

— image: graphic animated sequence: assign 3 points to determine 1 point;
   overlay patch; repeat in layers
   Ref: Hawking p.23 : " one may describe the whole universe in terms of
   a collection of overlapping patches. In each patch, one can use a
   different set of three coordinates to specify the position of a
   point."
   N.B. I remember a personal image of intersecting planes...

— image: intersecting planes
   -video
   -light planes
   -some visual representation of planes ... intersecting ... slashing
   through one another

— image: clocks, hour-glasses, sundials ... any time-keeping, time-measuring
   devices/instruments   DIFFERENT SPEED OF CLOCKS ...
   SLOWER NEAR EARTH, FASTER ABOVE "time appears to run slower near massive body like earth"

— image: object growing in size/mass, vibrating with energy   p.32

— image: growing spheres of light (loop)
   Ref: Maxwell's equations (Hawking p.24: "if pulse of light is emitted
   at particular time at particular point in space, as time goes on
   it will spread out as sphere of light whose size and position are
   independent of the speed of the source"

— image: twins paradox: one on mountain ages faster than one at sea level(p.33

EVENTS IN THE ELSEWHERE

props:

oversize feather (to "float" down from above ... as apple falls up
 on video?)

oversize apple (also possible to "float")

old-fashioned European wheelchair (WW II?) wooden, with handle

costumes:

body-shell(s)

 - to remain in wheelchair

 - to be "entered"

EVENTS IN THE ELSEWHERE

opening: star showers/shooting stars/ glissandos of light falling
  in to center ... results in explosion of light ("Big Bang")

when light explosion "clear" we see figure in wheelchair ("SH")

SH: utters brief vocal phrase (non-verbal!)

vocal phrase is translated in hand-signing:
        "when we look at the universe, we see the past"

SH: utters a different vocal phrase, which is translated: