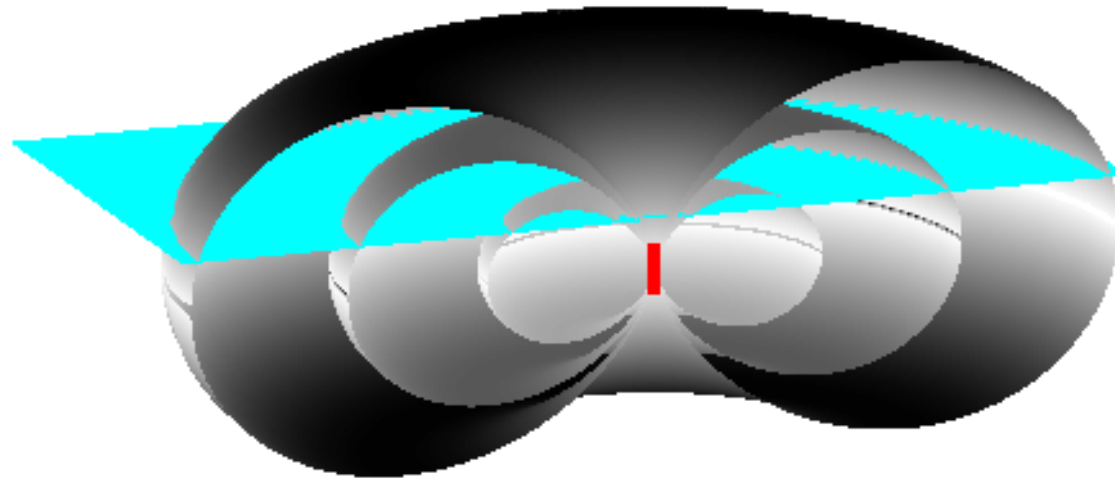


# "Field Line" Search Revisited

**Felix Meier**

# The Shape of the Dipole Field



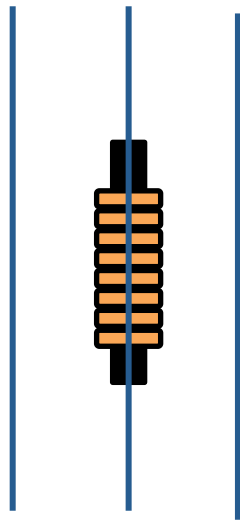
## Vertical Transmitter Antenna

# The Shape of the Dipole Field

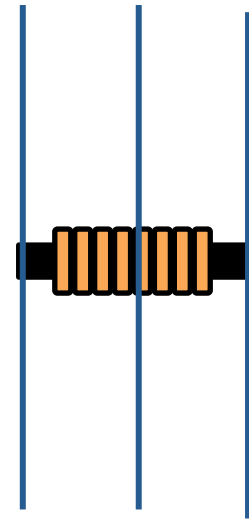


## Horizontal Transmitter Antenna

# Antenna Axis and Magnetic Field

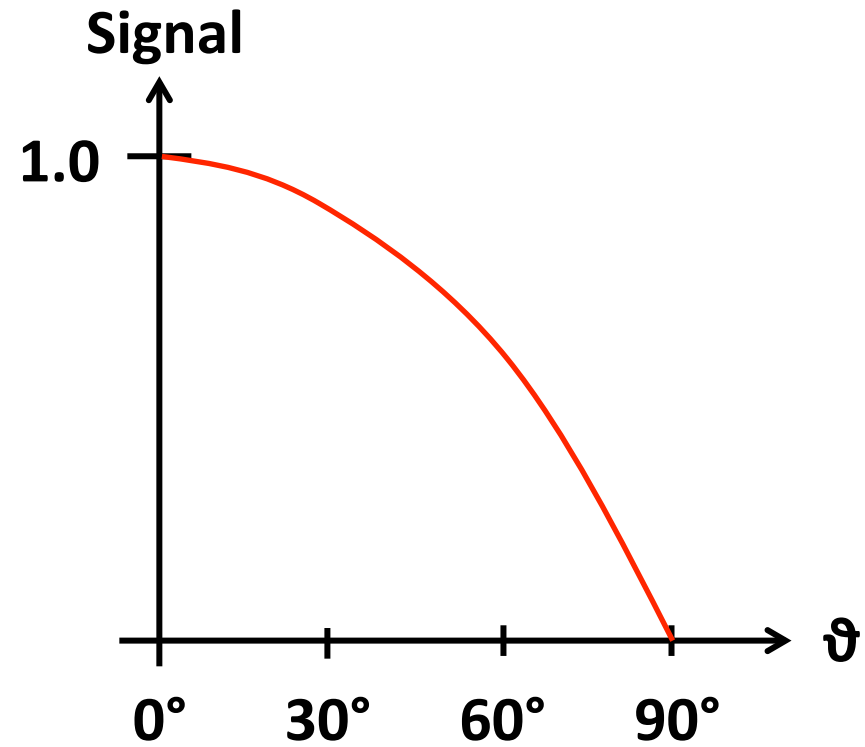
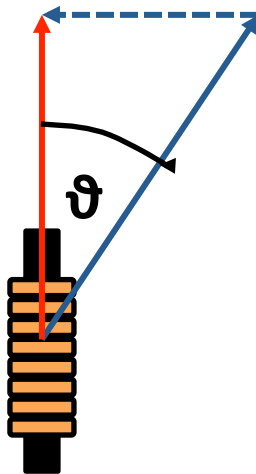


**Maximum Signal**

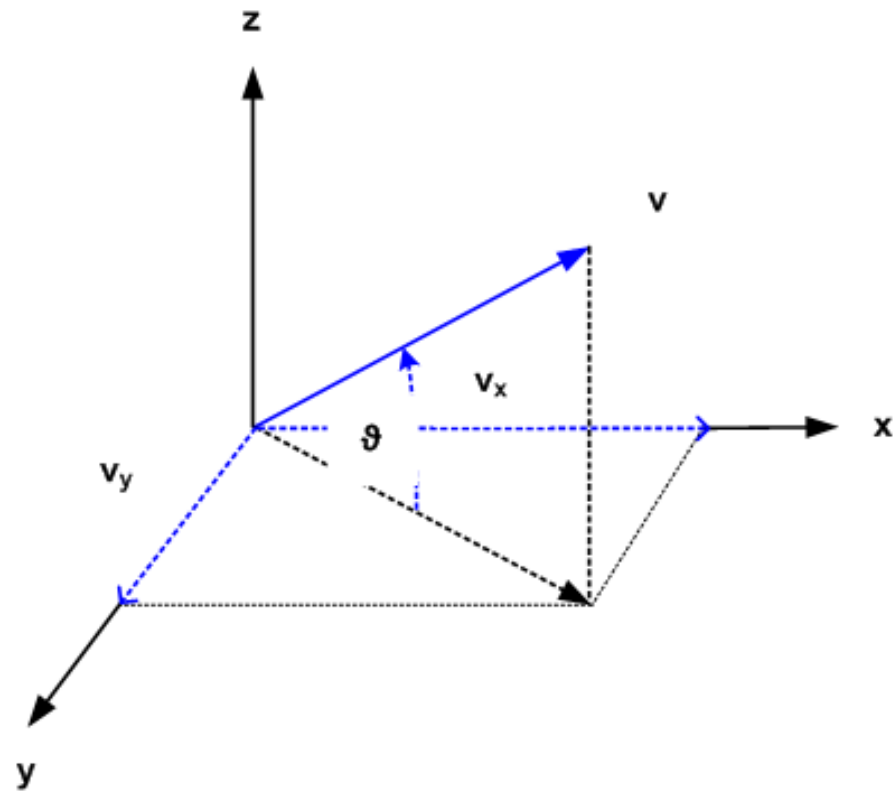


**No Signal**

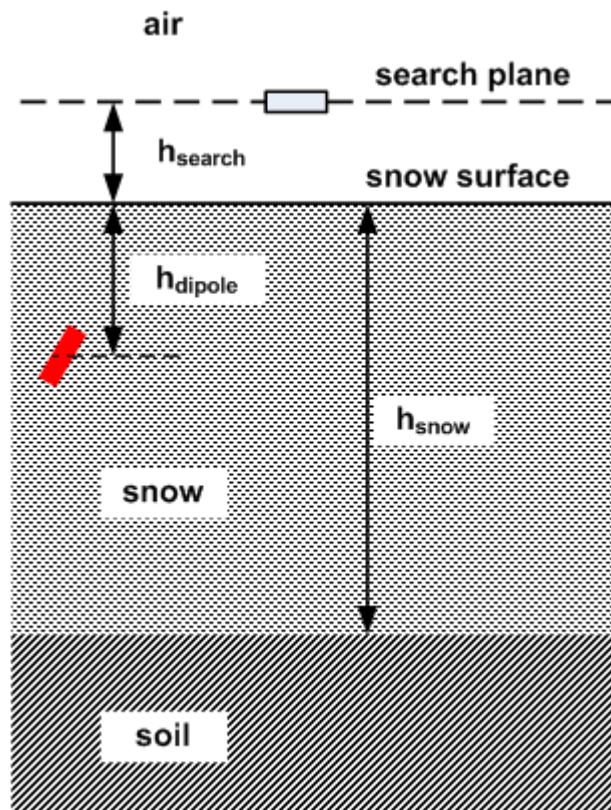
# Projection



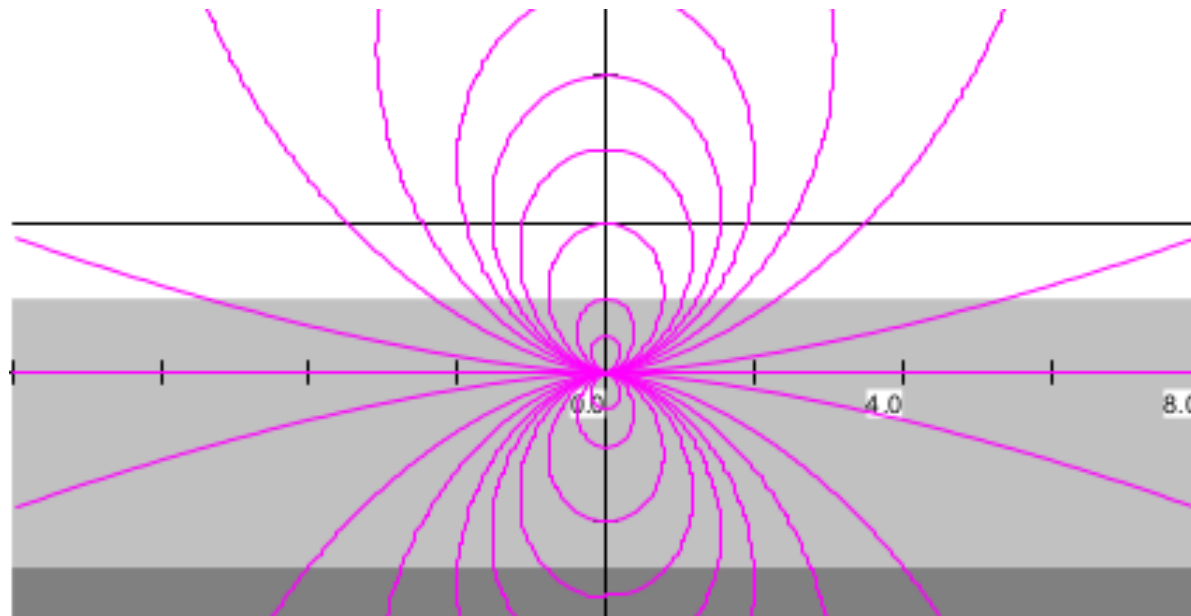
# Projection



# Layer Model



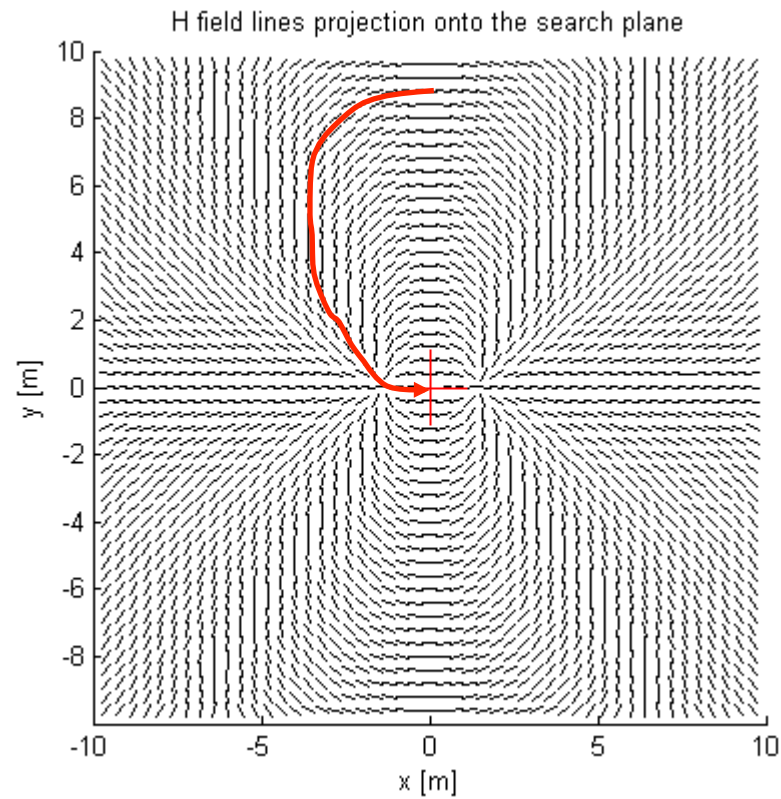
# H Field Profile



## Horizontal Transmitter Antenna

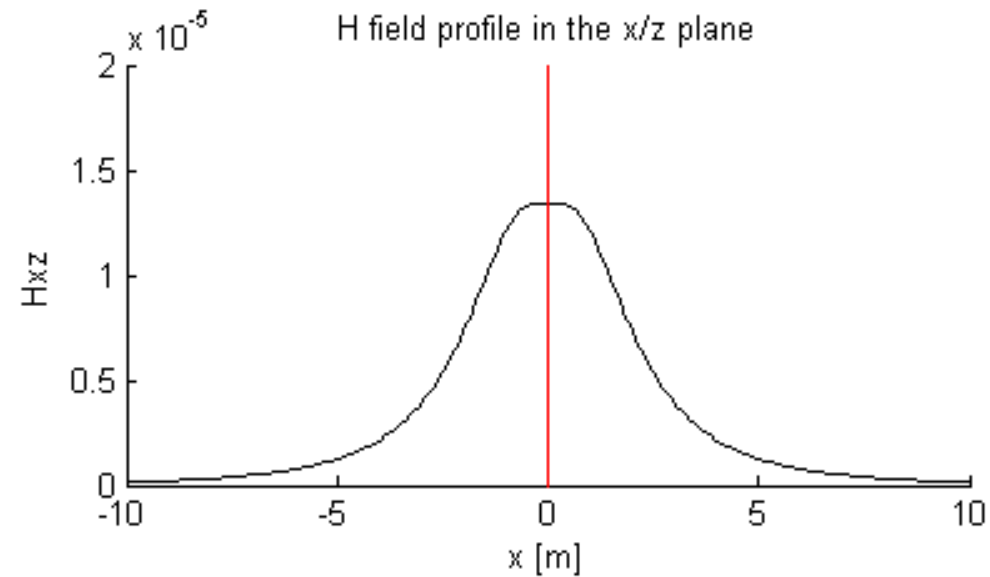


# Projection of H Field onto the Search Plane



## Horizontal Transmitter Antenna

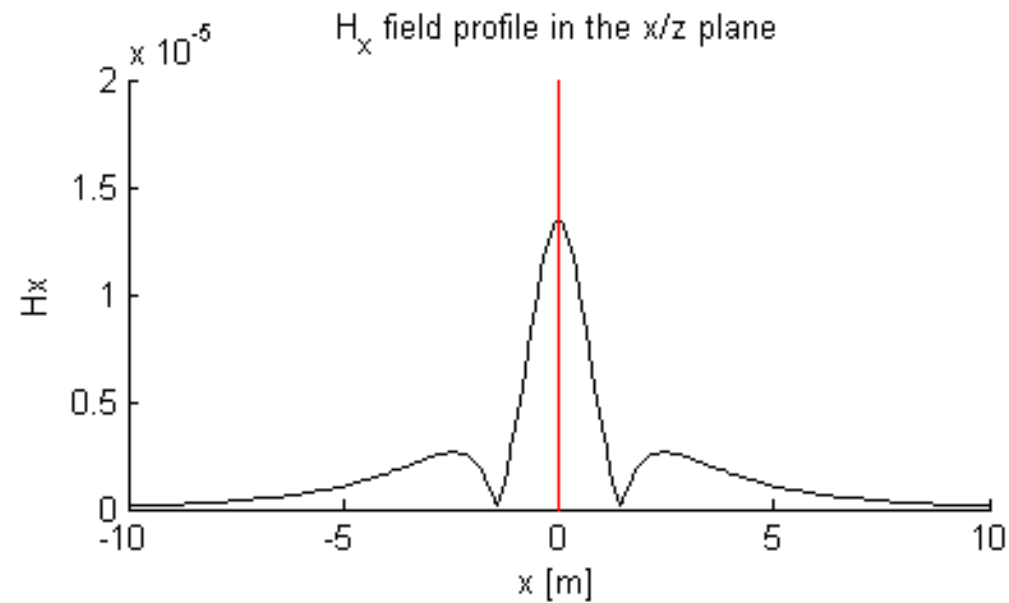
# H Field Profile in the x/z Plane



## Horizontal Transmitter Antenna

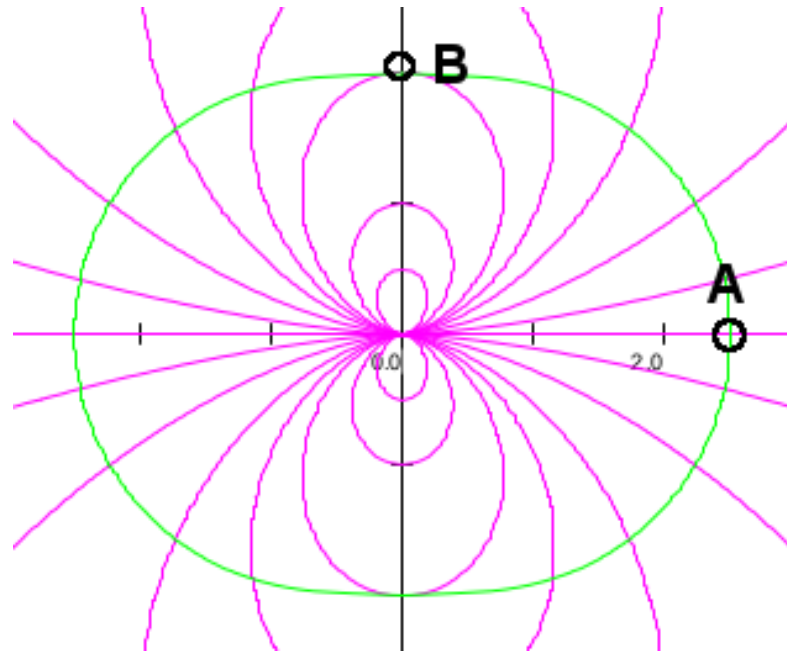
# H Field Profile in the x/z Plane

## No Z Antenna



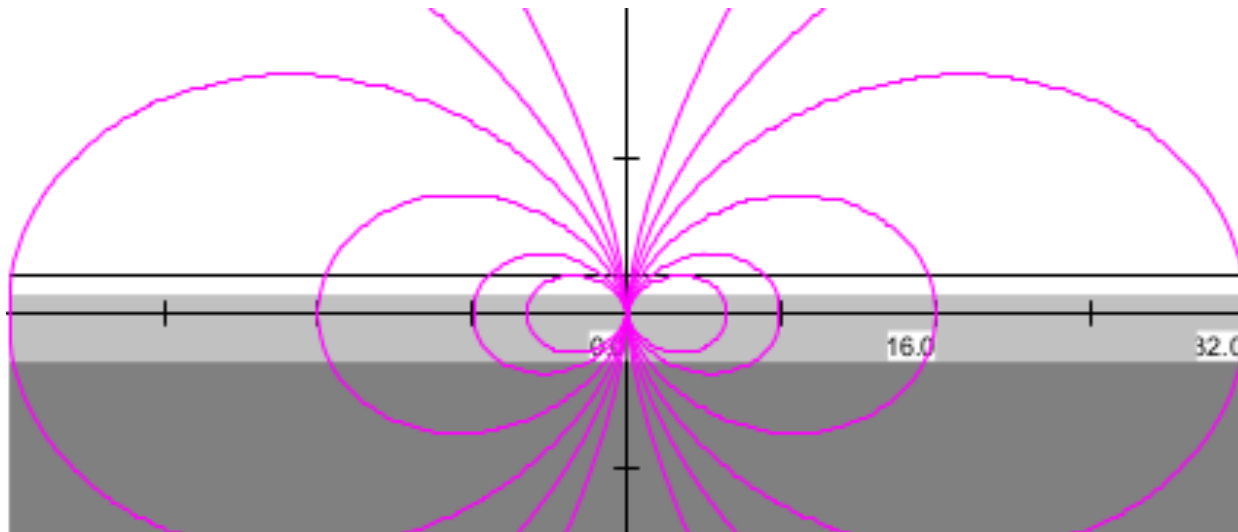
## Horizontal Transmitter Antenna

# Distance Indication



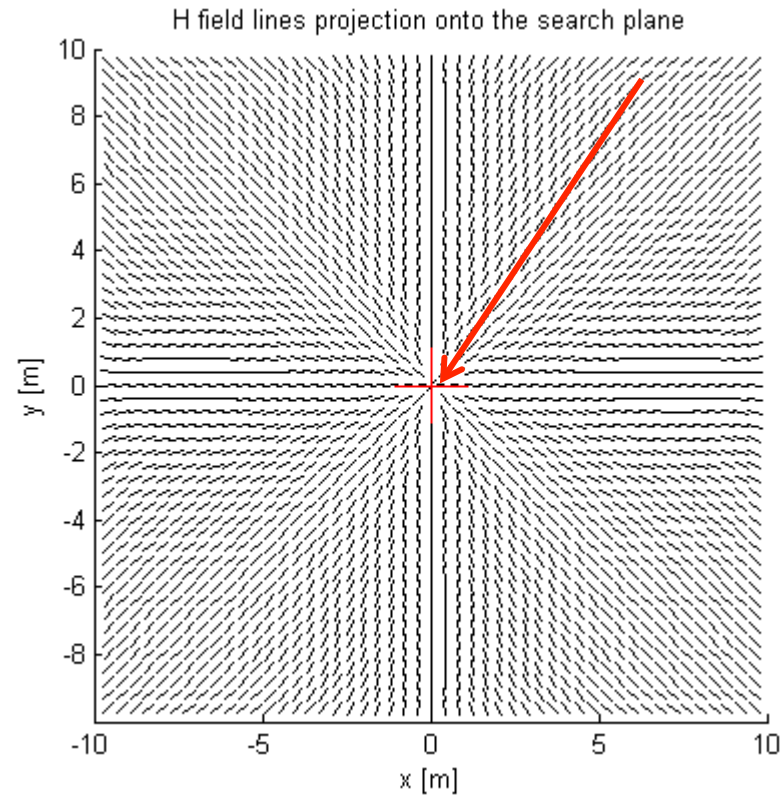
## Horizontal Transmitter Antenna

# H Field Profile



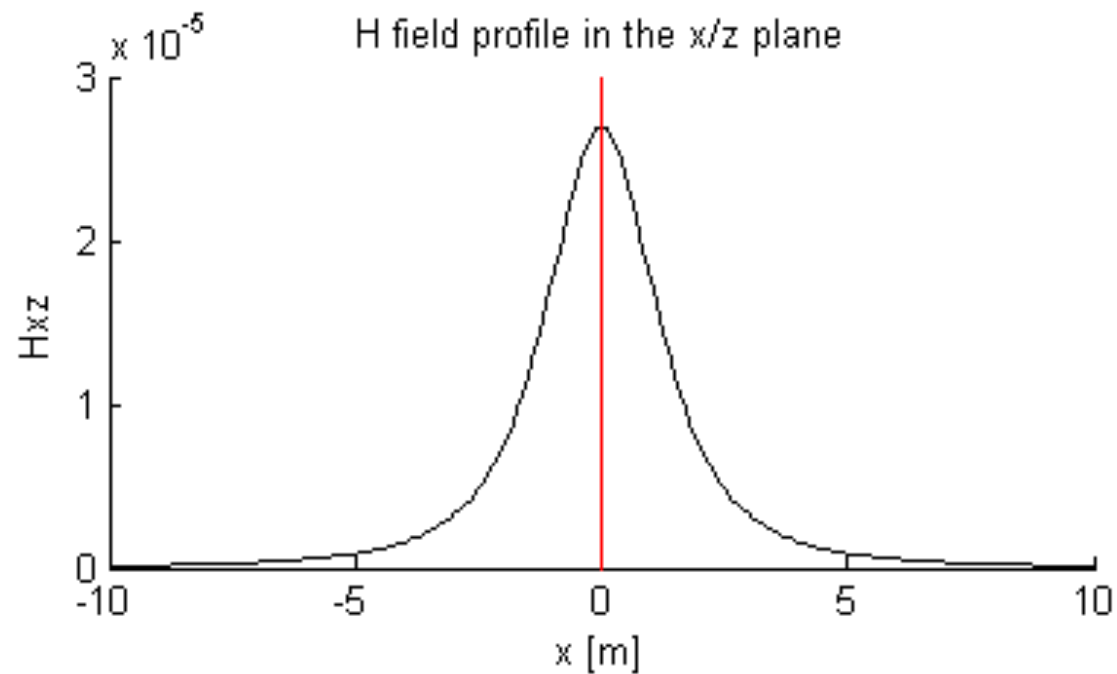
## Vertical Transmitter Antenna

# Projection of H Field onto the Search Plane



## Vertical Transmitter Antenna

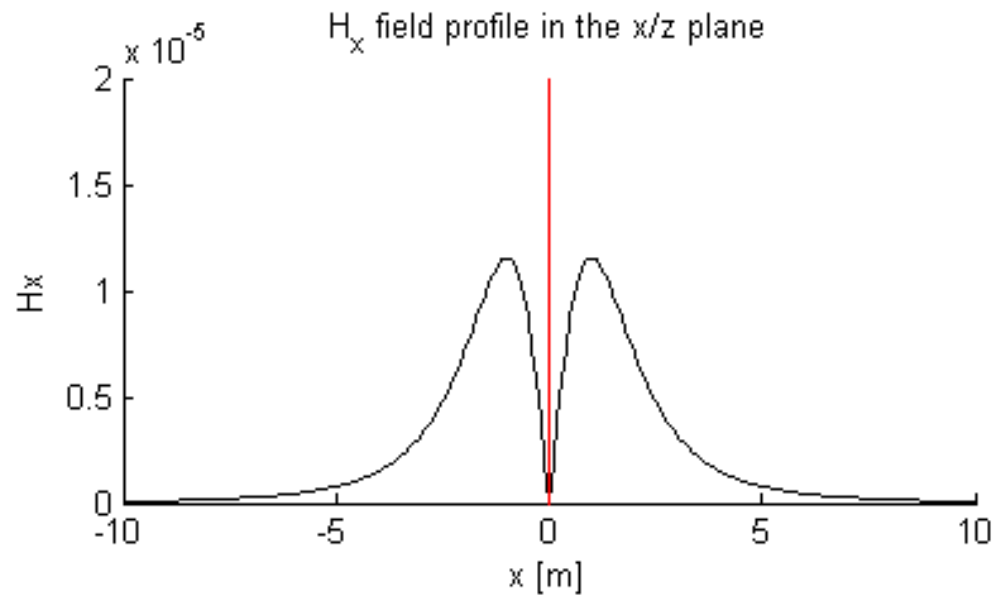
## H Field Profile in the x/z Plane



### Vertical Transmitter Antenna

# H Field Profile in the x/z Plane

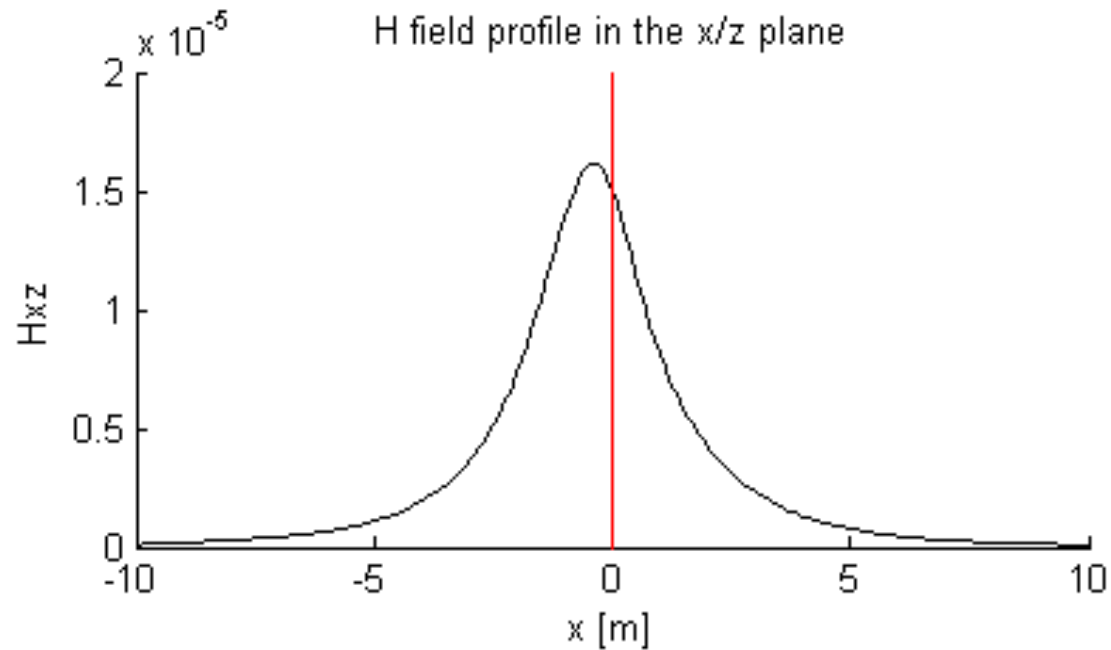
## No Z Antenna



## Vertical Transmitter Antenna



# H Field Profile in the x/z Plane



## 30° Inclined Transmitter Antenna

**Thank you for your attention !**