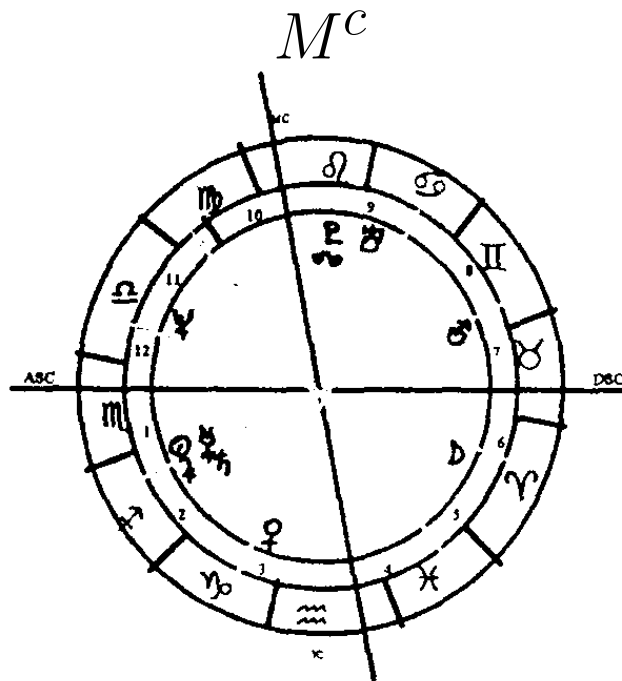


Dictaat Medium Coeli
 ∈
 college ascendantberekening
 ∈
 colleges
 ⊂
 Concrete meetkunde

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2014/08/24



”Once you understand the magnetic line of energy between the MC/IC axis you will understand the energy that shaped your inner-self (id) and outer-self (ego).”

— Marianne O’Hagan

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1 Introduction

The midheaven (MC or Medium Coeli, literally 'middle of the sky') is one of the most important angles used in Natal astrology, also known as genethliacal astrology. Astrologers believe that each individual's personality or path in life can be determined by constructing a natal chart for the moment and location of that individual's birth. They believe that the midheaven will tell you about your career, status, aim in life, aspirations, public reputation, and life goal.

Since astrology is a **pseudoscience**, I won't discuss the meaning or background. This document is aimed at the mathematical aspect of the midheaven. In the back you'll find a copied chapter about the meaning (interpretation by astrologer) of the signs.

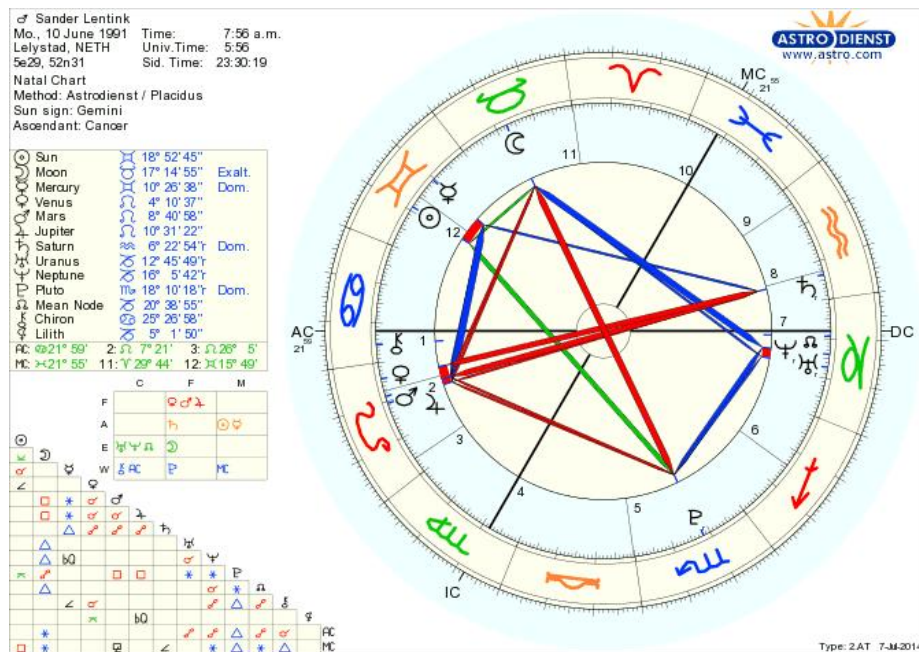


Figure 1: Natal chart

Notice that we are looking at astrology, not astronomy. Astrology is the divination by the stars, astronomy is the scientific study of the stars.

2 Basics

This chapter contains all the basics, needed to understand the concept.

2.1 Projective geometry

Astrology works with projective geometry. Everything you see is projected onto an imaginary sphere. This means that we do not look at the distances of the celestial bodies, only to their relative positions on the celestial sphere. I.e. we look at the angular differences, as seen from the Earth.

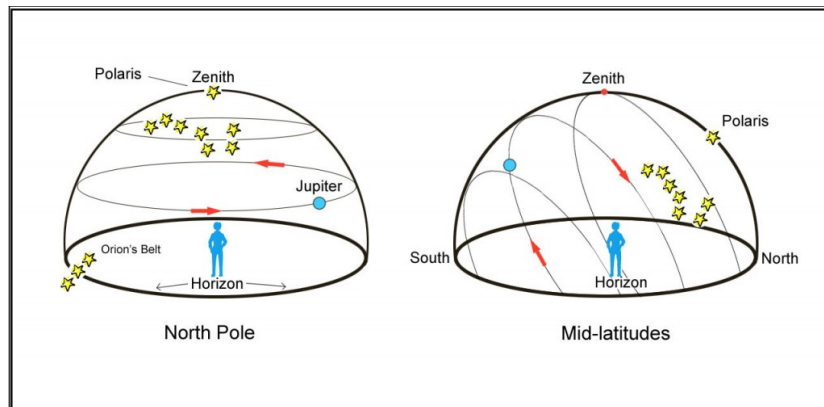


Figure 2: Celestial sphere with zenith

2.2 Celestial sphere

We can project all the celestial bodies we see onto an imaginary dome. This dome is spread out over the observer, who is at the centre of the dome. This is a way of modeling how the sky appears to us. Notice that in reality, the celestial bodies do have various distance from the Earth. We however don't need that for calculating the midheaven.

2.3 Zenith

The zenith is like a normal (geometry), it is the point on the celestial sphere overhead of an observer on Earth.

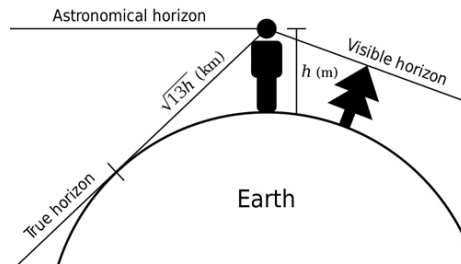


Figure 3: Example of wrong horizons

2.4 Horizon

The celestial sphere has ∞ many great circles. We want the horizon to be a great circle. In order to be able to do this, we need to make the celestial sphere large enough, so we can neglect the angular difference and take the horizon as a plane through the centre of the earth.

The horizon cuts the celestial sphere into two equal halves, with one visible to the observer. We call this the "ground level" of the observer.

2.5 Celestial poles

The celestial sphere rotates around an axis. This axis provides us with the north and south celestial poles (NCP and SCP).

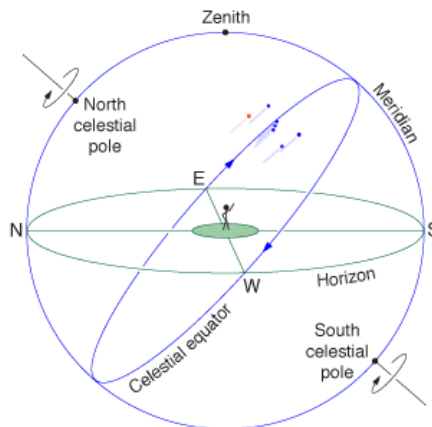


Figure 4: Celestial poles viewed from observer

2.6 Celestial equator

When we observe the terrestrial equator, we can draw a plane on it, passing through the centre of the earth. When we would extend this plane, it would also pass through the celestial sphere, creating the celestial equator. This celestial equator lies between the celestial poles.

2.7 Meridian

All places on earth are on a meridian (line of longitude). Greenwich is chosen as 0° , everything east ranges from 0 to 180, and west from 0 to -180. Geography works with east and west, we'll use $\lambda \in (-180, 180)$ for the math. Utrecht is located 5° east of Greenwich.

The central meridian (meridian of observer) is an imaginary arc which passes from the north point on the horizon to the south, passing through the zenith.

Notice that everywhere on the meridian, the location of east and west are the same. This makes that the great circle of **the celestial equator, intersects with the horizon (also a great circle) in the west and east** at all times.

2.8 Ecliptic

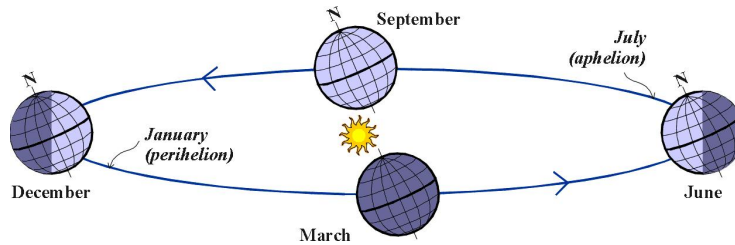


Figure 5: Seasons (heliocentric perspective)

Looking from the geocentric perspective, the ecliptic is the annual path of the sun, with respect to the stars.

This path is a great circle on the celestial sphere. The plane, drawn on the ecliptic, makes an angle of $\approx 23.4^\circ$ ($23\frac{1}{2}^\circ$ is widely used) with the (celestial) equator.

This tilt is responsible for the seasons on Earth.

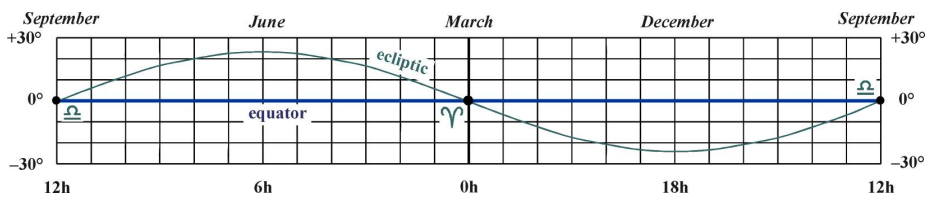


Figure 6: Sine function

To see this on Google, search for: "graph $23.4 \cdot \sin(x \cdot 2\pi / 365)$ "

It is important to understand this concept. Here are some simulations which can help you get a better understanding:

<http://astro.unl.edu/classaction/animations/coordsmotion/eclipticsimulator.html>

<http://astro.unl.edu/classaction/animations/coordsmotion/sunmotions.html>

<http://astro.unl.edu/classaction/animations/coordsmotion/sunsrays.html>

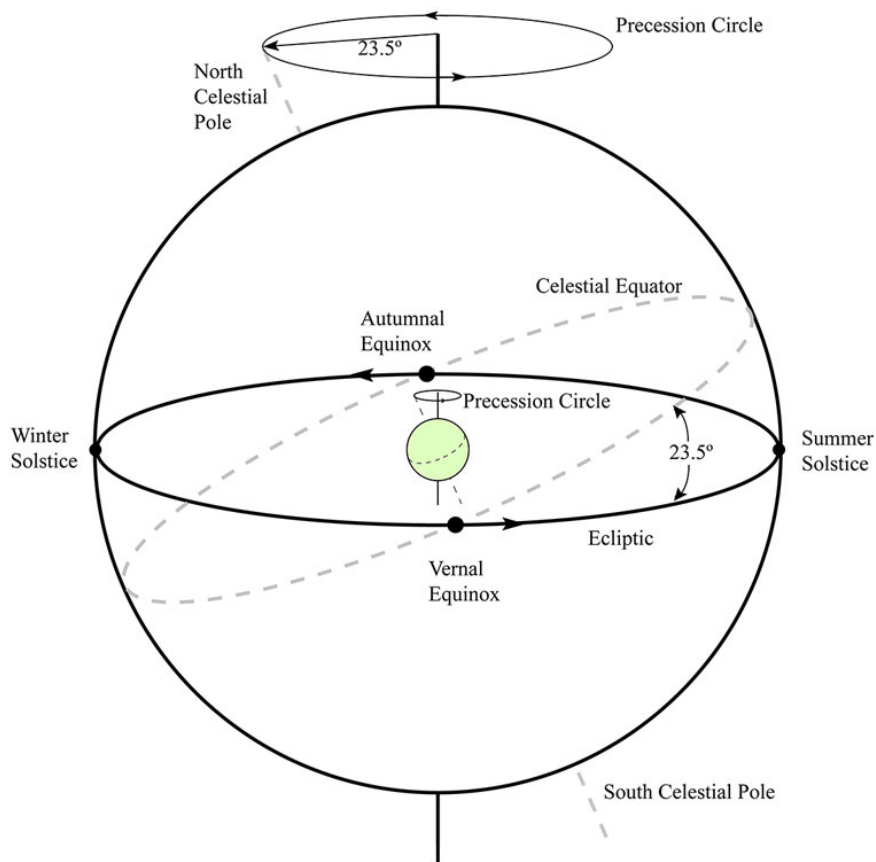


Figure 7: Precession circle

2.9 Equinoxes and Solstices

It is given that two great circles on a sphere intersect at two points, these points are diametrically opposite to each other.

The intersecting points of the ecliptic and celestial equator are called equinoxes. There is a vernal equinox (spring) which fall on \approx March 20, and a autumnal equinox which falls on \approx September 23. At these equinoxes, the night and day are of equal length.

The solstices are the shortest and longest day of the year. The longest day falls on \approx June 21 and the shortest on \approx December 22.

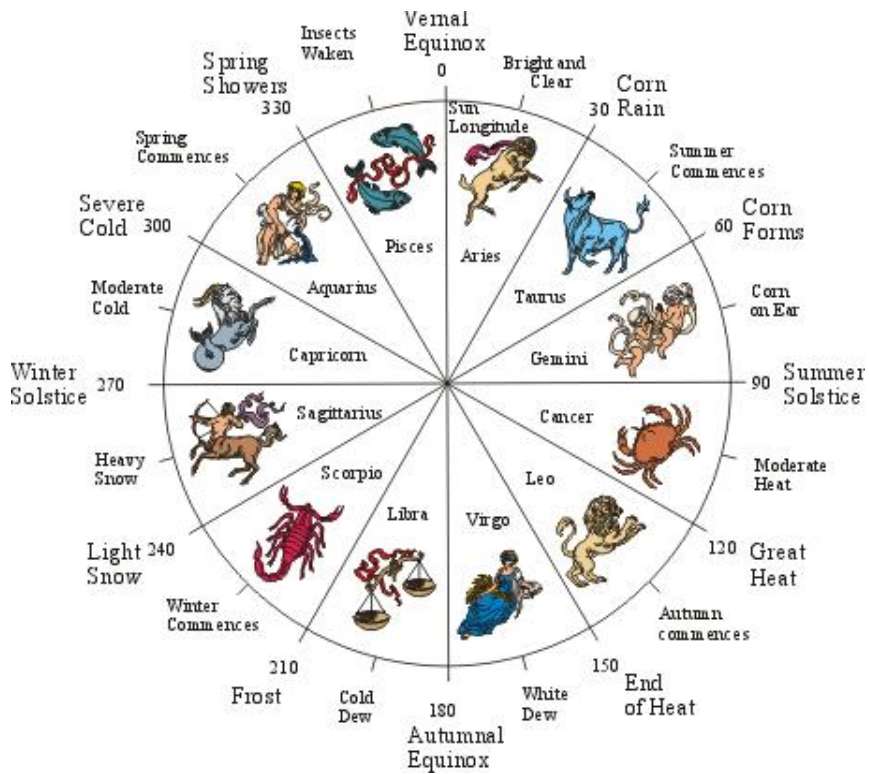


Figure 8: Zodiac, divided into 12 parts of $\frac{360}{12} = 30^\circ$

2.10 Zodiac

The zodiac is a division of the sky into twelve parts. Each part has its own sign, starting with Aries. The zodiac plane is drawn on the ecliptic plane. The vernal equinox is the starting point, commonly denoted by V (referring to the Aries sign).

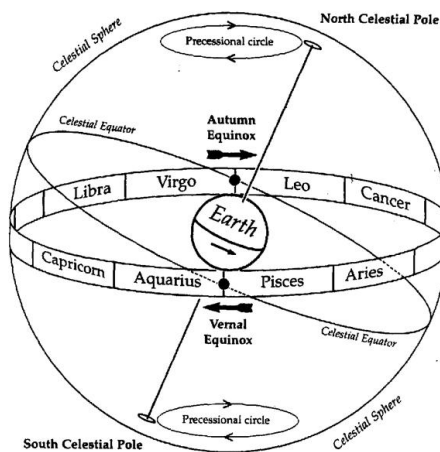


Figure 9: Zodiac on ecliptic

3 Sidereal time

The time we use is based on our observation of the sun (solar time). The Earth rotates around its axis in about 24h.

The sidereal time involves the stars, the sky; we are looking for the rotation of the celestial sphere.

The Earth rotates around the sun in $365\frac{1}{4}$ days (calendar year). Because the Earth rotates around the sun and around its own axis, the sidereal time, the time to have the vernal equinox on the same point, is $366\frac{1}{4}$ days.

To understand this concept, look at it this way: from a geocentric perspective; the sun appears to move, relative to the stars, around the Earth once per year. This results in one fewer solar day per year.

This means that a point in space, e.g. Aries sign, will be on the same meridian every

$$\frac{365.2422}{366.2422} = 0.99726956642 \quad (1)$$

day, or 23 hours, 56 minutes and 4 seconds.

3.1 Greenwich

Greenwich Mean Time (GMT) is what we will use to calculate the sidereal time. Every year, around March 20 at noon, the meridian of Greenwich, and the vernal equinox (intersection of the ecliptic and celestial equator) intersect.

3.2 (Sidereal) hour angle

When the vernal equinox is on an observer's meridian, we say that the Local Sidereal Time (LST) is 0 hours. After 23h, 56m and 4s, the hour angle is again 0. The LST is the angle between the vernal equinox and the local meridian. So, LST = Local Hour Angle (LHA) of the vernal equinox. (this hour angle plane is drawn onto the ecliptic)

3.3 History

To calculate the sidereal time, you need to know the GMT. Different places on Earth have different time zones. Some have DST (daylight savings time), others don't.

* Different locations have different starting and ending of DST.

For example, the germans (WWII) forced the Netherlands to use CET (Central European Time), this is used since May 16, 1940.

From Sep. 16, 1945 to Apr. 3, 1977, the Netherlands did not have DST.

This are only two facts to consider when calculating for such a small country. The reader is responsible to find the correct information, matching his location and date.

3.4 Example

June 10, 1991, 7.56AM, Lelystad, Netherlands;

Lelystad is located in the CET time zone, GMT+1. Also, DST was active; GMT+2. This means that the GMT time at that moment was 5.56AM.

3.5 Calculation

Step 1, finding the GMT time. For June 10, 1991, 7.56AM we found 5.56AM. It's up to the reader to find the correct time, as explained in chapter 3.3

Step 2, we know that around March 20 at noon the vernal equinox intersects with the meridian. So, we now going to calculate how much days have been past since that moment. For easy calculation: timeanddate.com/date/durationresult.html
For our example date and time (using 5.56, not 7.56) we get 81 days, 17 hours and 56 minutes.

Side note; for a more precise calculation, look for the vernal equinox date and time on the year you're searching for. (it's not March 20 at noon precise)

Step 3, converting to days only.

$$d + \frac{1}{24}(h + \frac{m}{60}) \quad (2)$$

For our example this results in $81 + \frac{1}{24}(17 + \frac{56}{60}) = 81.7472$ days.

Step 4, to get the sidereal days, we multiply this by the difference found by equation 1 (notice that we use the reciprocal).

$$(d + \frac{1}{24}(h + \frac{m}{60})) \cdot \frac{366.2422}{365.2422} \quad (3)$$

This result will give us the amount of sidereal days since March 20 at noon. Which means, the amount of rotations of the vernal equinox. For our example this results in $(81 + \frac{1}{24}(17 + \frac{56}{60})) \cdot \frac{366.2422}{365.2422} = 81.9710$ sidereal days.

Step 5, for the MC we want to know the angle on the zodiac (which lies on the ecliptic). To get this we need to know where the vernal equinox is (the 0° point).

When looking at the sidereal days, we only need the decimal part (the whole days are whole rotations, which result in the same point).

$$((d + \frac{1}{24}(h + \frac{m}{60})) \cdot \frac{366.2422}{365.2422}) \bmod 1 \quad (4)$$

To convert to an angle, we multiply it by 360°.

$$(((d + \frac{1}{24}(h + \frac{m}{60})) \cdot \frac{366.2422}{365.2422}) \bmod 1) \cdot 360^\circ \quad (5)$$

Seen from Greenwich, our example would be 0.971 sidereal day.
 $((81 + \frac{1}{24}(17 + \frac{56}{60})) \cdot \frac{366.2422}{365.2422}) \bmod 1 \cdot 360^\circ = 350^\circ = 0.971 * 360^\circ$

Step 6, you're probably not in Greenwich, or on its meridian. We use the longitude $\lambda \in (-180, 180)$, as we have seen in chapter 2.7, to correct for the fact that we're on a different meridian.

$$(((d + \frac{1}{24}(h + \frac{m}{60})) \cdot \frac{366.2422}{365.2422}) \bmod 1) \cdot 360^\circ + \lambda \quad (6)$$

For our example, Lelystad, $\lambda = +5^\circ$. Which gives us $350^\circ + 5^\circ = 355^\circ$.

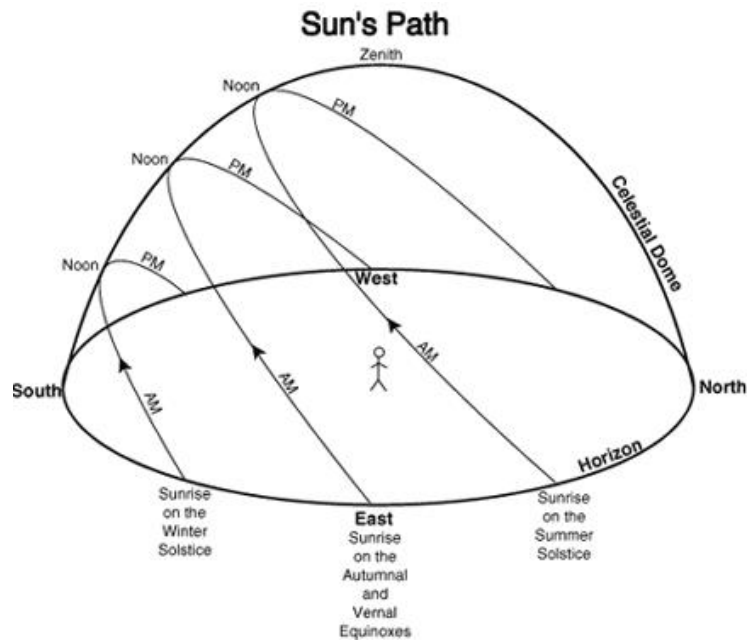


Figure 10: The text "celestial dome" can be seen as meridian

4 Midheaven

Midheaven or medium coeli (MC) is an important aspect of natal astrology. Together with the ascendant or "rising sign" (intersection ecliptic and horizon) in the east (where the sun rises), and the descendant (intersection ecliptic and horizon) in the west.

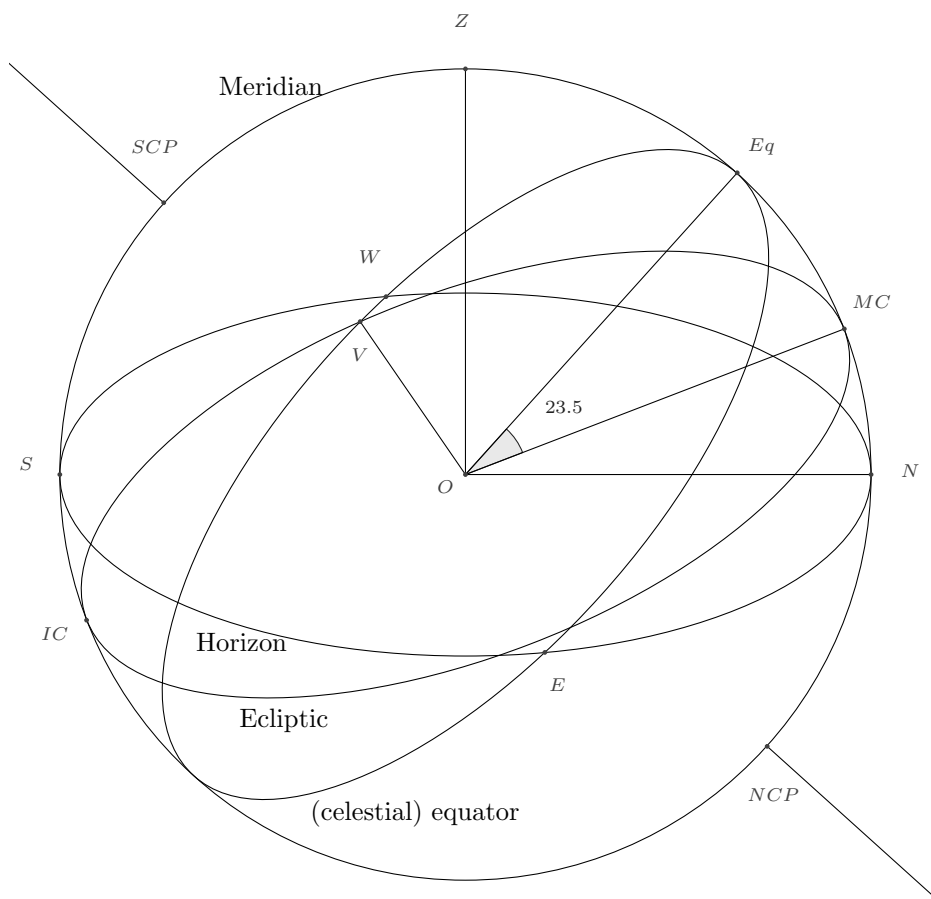
The MC lies in between the ascendant and descendant, it's the middle of the sky, which is, for a given observer on his meridian. So, to calculate the MC, we look at the intersection of the ecliptic and the meridian.

Notice that we're not looking for the location of the sun, but the annual path of the sun. Also, the MC sign for a given sidereal time is the same for the whole meridian (regardless of latitude).

4.1 Imum Coeli

The IC, Imum Coeli (Latin for "bottom of the sky"), lies opposite to the MC. When we have found the MC, we look 180° further on the zodiac to find the IC.

5 Spherical trigonometry



When we look at figure above, we see the three great circles, needed to calculate a natal chart. For a given place, we know its longitude and latitude, and the angle between the ecliptic and equator is known.

As we have seen in chapter 3.5, we can calculate the hour angle of the ecliptic plane. We know that the ecliptic and equator intersect on point V . The earth rotates around the earth's axis, which means that the sidereal time tells us where point V is on the **equator**. In the example above, this would be around 100° . (The sun comes up at the east, traveling to the west. We start at the meridian, from which we measure the angle.)

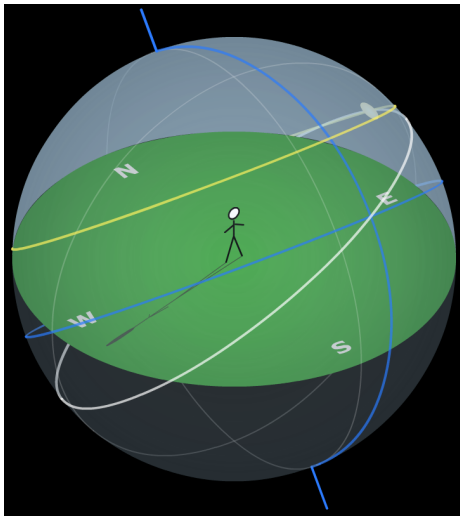


Figure 11: 5.56AM, June 10, lat = 52.5°
 Yellow (which we do not use) = sun's declination (its daily path), white = the ecliptic (sun's annual path), blue = celestial equator (other blue = prime hour circle or 0h right ascension) It is important to **notice that the equator and meridian will always make a 90° angle.**

The MC (midheaven) for a given sidereal time will remain the same regardless of the latitude of the location. In other words, this variable latitude, is obsolete.

For the given example (chapter 3.4) we get:

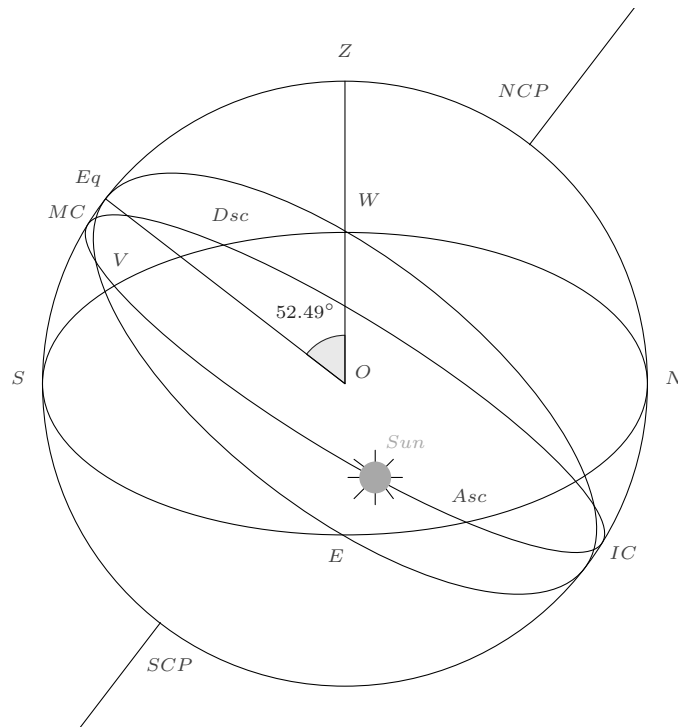


Figure 12: Picture for example seen in 3.4 (52.5° = latitude Lelystad)

We see $\triangle Eq, MC, V$ with $\angle MC, Eq, V = \frac{\pi}{2} = 90^\circ$.

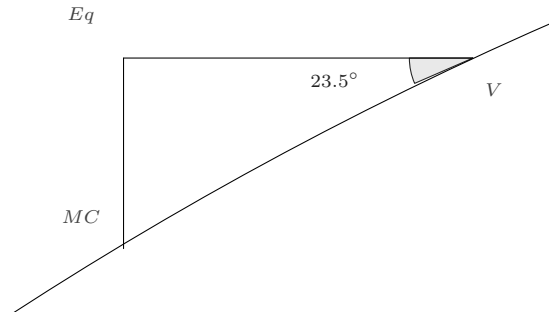


Figure 13: Triangle for the given example, see figure 11

$|AC| = b = \text{sidereal time,}$
 $|AB| = c = \text{what we are looking for}$

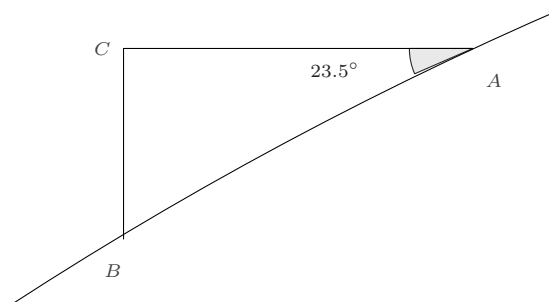


Figure 14: Important: γ needs to be 90°

We use the formulas, given in "dictaat Bolmeetkunde", page 11 (lectured by Prof. J.P. Hogendijk). We'll just give the formulas without proving them, the formulas with the known variables (b, α) are:

1. $\cos \alpha = \cos a \cdot \sin \beta$
2. $\cos \beta = \cos b \cdot \sin \alpha \checkmark$
3. $\sin \alpha = \frac{\sin a}{\sin c}$
4. $\sin \beta = \frac{\sin b}{\sin c}$
5. $\cos \alpha = \frac{\tan b}{\tan c} \checkmark$
6. $\tan \alpha = \frac{\tan a}{\sin b} \checkmark$
7. $\tan \beta = \frac{\tan b}{\sin a}$

To find c we use formula 5:

$$\cos \alpha = \frac{\tan b}{\tan c} \Rightarrow \cos 23.5^\circ = \frac{\tan \textit{sidereal}}{\tan c} \Leftrightarrow \tan c = \frac{\tan \textit{sidereal}}{\cos 23.5^\circ} \quad (7)$$

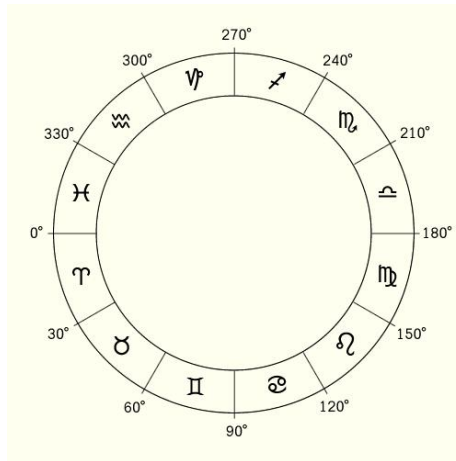


Figure 15: Basic zodiac, see figure 8 for a full version

5.1 Final

On calculator: $\tan^{-1}\left(\frac{\tan 5}{\cos 23.5}\right)$

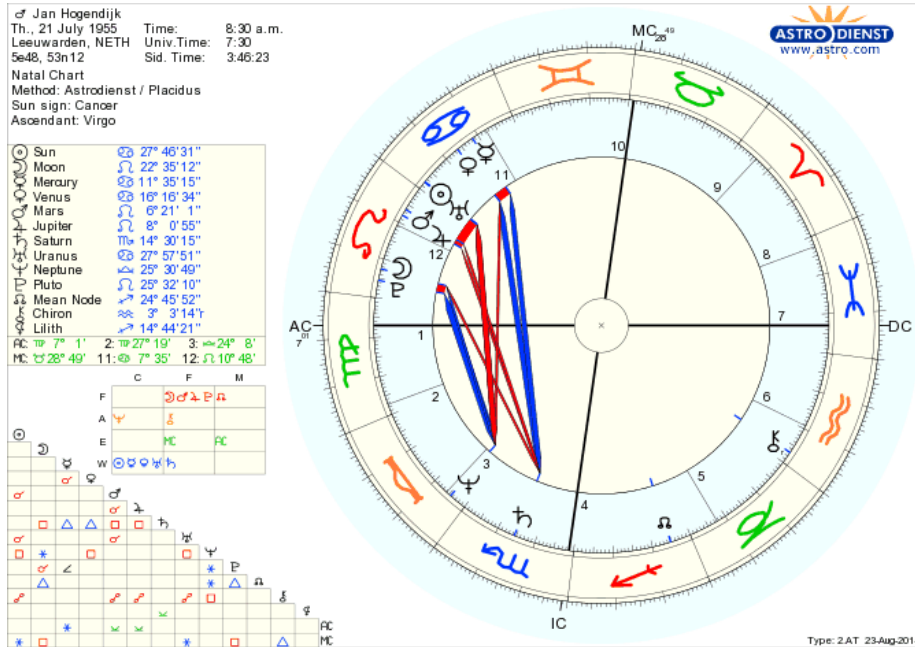
For our example we have sidereal = 5° (not 355, see figure 11), using equation 7 we obtain 5.5° . Looking at figure 12, we see that we need to look in the other direction.

This shows us that the MC is in Pisces.

$-5.5^\circ + 360^\circ = 354.5$, and $354.5 \bmod 30 = 24.5^\circ$ tells us that it's 24.5° Pisces.

To find the IC, just add 180° , this gives us 24.5° Virgo

5.2 Another example



Given: 21 July 1955, 8:30AM, Leeuwarden ($53^{\circ}12'N$ $5^{\circ}47'E$)

Looking at the cheat sheet (chapter 6) we get $\lambda = +5.78^{\circ}$ (+; because east of Greenwich)

Looking at chapter 3.5:

Step 1, DST in July: normally yes, but chapter 3.3 tells us no. CET = GMT+1; 7:30AM.

Step 2, 122 days, 19 hours and 30 minutes.

Step 6,

$$\left(\left(\left(122 + \frac{1}{24} \left(19 + \frac{30}{60} \right) \right) \cdot \frac{366.2422}{365.2422} \right) \bmod 1 \right) \cdot 360^{\circ} + 5.78^{\circ} = 59.33^{\circ} \quad (8)$$

Next, visualization using: <http://astro.unl.edu/classaction/animations/coordsmotion/sunmotions.html>

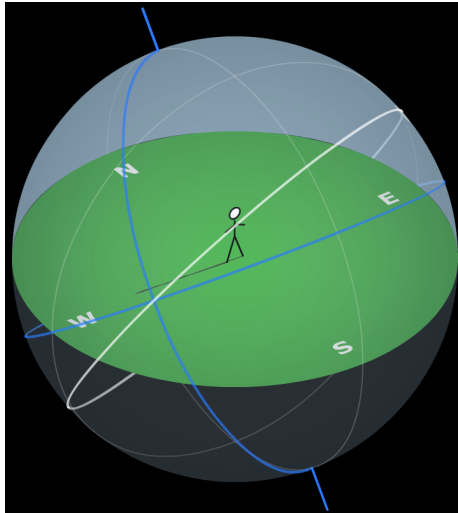


Figure 16: 7:30AM, July 21, lat = 53°

On calculator: $\tan^{-1}\left(\frac{\tan 59}{\cos 23.5}\right)$

For this example we have sidereal = 59° , using equation 7 we obtain 61° .
Looking at figure 16, we see that we look in the normal direction.

This shows us that the MC is 1° in Gemini, and the IC is 1° Sagittarius.

6 Cheat sheet: time to decimals

Since we have already seen this in previous lectures I'll just give an example.

What we need to know:

- $1 \text{ h} = 1^\circ = 60' \text{ (min)}$
- $1' \text{ (min)} = \frac{1}{60} \text{ h} = \frac{1}{60}^\circ = 60'' \text{ (sec)}$
- $1'' \text{ (sec)} = \frac{1}{60}' \text{ (min)}$

6.1 Time example

Given: $12^\circ 27' 15''$

1. $15'' \text{ (sec)} \cdot \frac{1}{60} = 0.25' \text{ (min)}$
2. $27' + 0.25' = 27.25' \text{ (min)}$
3. $27.25' \text{ (min)} \cdot \frac{1}{60} = 0.4541666^\circ \text{ (h)}$
4. $12^\circ + 0.4541666^\circ = 12.454167^\circ \text{ (h)}$

6.2 Decimal example

Given: 12.454167°

1. 12° (h)
2. $0,454167^\circ \cdot 60 = 27.25002' \text{ (min)}$
3. $27' \text{ (min)}$
4. $0.25002' \cdot 60 = 15.0012'' \text{ (sec)}$
5. $12^\circ 27' 15''$

7 Meaning

7.1 MC ARIES - IC LIBRA

As a child you may have tried to avoid confrontational situations; you tended to follow rather than lead. You may have been passive or you felt you were singled out or set apart from others which may have affected your social expression. Perhaps you felt you had to separate yourself from others to keep the peace, and to find your own way to self-sufficiency. In your primary years, constant aggressive confrontations may have interfered with your ability to assert yourself and your individual rights. You had a tendency to cower from aggressive behaviour through the continuing social conflicts of your childhood. Peace and harmony in all relationships was important to you; this was hard to uphold, but you did your best to keep the peace because you felt more secure in peaceful surroundings. When you were older you challenged yourself to become independent, to become your own person; you wanted to make your own way in the world. Due to a certain lack of self-confidence, you may have felt that you did not have the skills, or the ability to make it in the world, so you put your head down, looked inward and found the strength to become self-sufficient and independent. Your focus on the world is one of self-reliance and independence. You prefer to be your own boss; you will try to place yourself in sole-charge positions of your own making rather than working for someone else. In public you try to project an image of light-hearted humour which helps other people to lighten up, and in their light-hearted laughter you feel happy and fulfilled.

7.2 MC TAURUS - IC SCORPIO

To get love you looked for approval and if you didnt get it - it hurt. You needed encouragement but you were kept under very strong dominance or control within the family; there was only one way, their way. You felt you didnt belong or you didnt get along with a sibling. Your parents had a powerful influence and effect on you; they may have manipulated your behaviour to accommodate their arrangements or affairs. You could have felt emotionally removed or separated from a parent in some way maybe the death or distancing of a parent which may have left you feeling insecure. The psychological effect of your childhood was deep; trust may have been broken which may have affected future relationships. You may have felt unwanted and unattractive, that you couldnt show your true self. You need to look inwards to resolve subconscious childhood issues in order to gain emotional security. You were taught the value of money because financial undertones were issues, yet the financial situation was never discussed. You were provided for but you may have felt the least important person; kept down which may have led to a basic feeling of insecurity. When you matured you felt you couldnt depend on anyone else, you had to depend on yourself. In order to overcome the insecurity you felt in self you needed to become financially independent; to land on your own two feet. You will work at achieving financial security through your own rules, but with a strong work ethic. You are non-materialistic, you will make do. You like to give to other people in practical or material ways, but you can be ripped off easily. You will give things to people (things to you are just things) but if what you give to others makes them happy, then you feel happy too; however you can give too much away.

7.3 MC GEMINI - IC SAGITTARIUS

As a child you may have lacked confidence through the lectures, reprimands and corrections from a strict parent who had a handle on everything and whose words were law; however the truth was often twisted and comments were made. You were made to feel guilty through family members or other peoples opinions and judgements. One of your parents may have placed high expectations on you, or judged your behaviour either negatively or positively due to the inconsistencies of your childhood. Unfair conclusions may have been used against you where you felt you had to justify yourself. You did your best to succeed at school but you may have felt your efforts were not always recognised by your teachers and/or your parents. You may have experienced misrepresentation in your childhood, but from this you learned to respect the truth. You have a tendency to question the so-called truth in any debatable situation where you know that the version of the truth is manufactured. You are a deep thinking person with good communication skills and you like to share your opinions on a wide range of topics and philosophies that are thought provoking. When you help people with their problems, you listen to them; then offer a wide range of alternatives from a philosophical angle that gives them faith in the future. You guide others through their problems in an intelligent and positive way. You strive to find the truth in any situation and you need to know the truth in order to make judgement. You have a many-faceted mind and you take all angles into consideration before you reach a conclusion. You open up new vistas of thought, and you offer alternatives when helping others. You enjoy solving other peoples problems, and when you succeed, you feel inwardly fulfilled and good about yourself. You judge situations based on truth and fact to reach fair and just conclusions.

7.4 MC CANCER - IC CAPRICORN

As a child you were shy and cautious in your approach. Your parents set the example and they disciplined you, they expected you to take responsibility and trusted you to do things correctly. You may have had fears of failing your parents; you wanted to please them in order to gain approval. You could have blamed yourself when family conflicts arose, with a tendency to withdraw. Family conflicts may have played on your feelings of inner control and security. Recognition was hard to gain in many areas due to family disciplines and standards. You may have felt distanced from some family members; perhaps you had little contact with cousins or relatives. Family disciplines were exercised through family business and/or family burdens. Your mother was very important to you but you may have felt your emotional needs were not met. You could have felt distanced from a parent who was either absent or worked very hard. You may have longed for the care and support of family involvement, but instead you may have felt an inner sense of isolation. You respected your parents, and you were disciplined incorrect behaviour met with disapproval. You may have felt that others were recognised ahead of you; or that others could express themselves better than you; maybe if you expressed yourself, you would not be approved of; providing you were good, you were safe this could have affected your self-esteem. Your parents encouraged you to be self-supporting and encouraged you to work at a young age; the work provided may have been organised through your family. The world is your family but public concerns

can dominate your private life and you can concern yourself over other peoples positions and values. Your approach to other people is one of consideration and welfare. You understand the need for basic support and security and you care about the emotional needs of other people. You try to guide others towards their own security by giving them the tools to use in that which they are aiming for. By helping them you feel inwardly fulfilled. Your feelings run deep and you want to make things better for the people who approach you in order to reduce their anxieties and uncertainties. You will try to help them get what they want, to make their lives more comfortable. You feel good about yourself when you help other people find their own security.

7.5 MC LEO - IC AQUARIUS

As a child you could have been quietly, or openly rebellious (depending on the sign on the Ascendant) if you did not get the freedom you needed to express yourself. You played with friends in the neighbourhood and people may have visited your home. You were taught to treat everyone as equal. You may have associated with a child, or a sibling who was different in some way; through this you developed understanding and humanitarianism. In your growing-up years, you could have felt different from your friends. Your parents may have had totally different personalities they were diverse. One parent may have been anti-social and the other social; and you were given the space to develop your social skills independently. You have many friends, and you probably relate well to their problems, but you may feel inwardly separate, somewhat detached and possibly different. You can lack faith in yourself through a feeling of neglect in love, and an inner fear of being hurt; therefore you may detach from love to protect your feelings. As an adult you may choose not to make close friends outside your personal circle, preferring to be independent; some may consider you aloof, but you tend to set yourself apart from collective social groups; however you mix well with people from all walks of life and you do not cast judgement on class, race or creed. You try to help other people to succeed, and if they do, their success gives you an inner sense of pride. When you are with your selected friends, you are lively, colourful and entertaining. You enjoy fun and entertainment, and you meet with interesting friends from different backgrounds. You try to encourage your partner to share your interests, but this can be an area of social difference.

7.6 MC VIRGO - IC PISCES

As a child you were sensitive and imaginative. One of your parents was an idealist who tried to create an ideal family situation. You may have felt as if that parent was ungrounded, but you could have idealised them anyway. Family issues may have been swept under the carpet because nasty things were not spoken of; therefore situations built up to the point of explosion. Conflicts between your parents were not voiced so you did not know what was required of you. When the family needs were not met, one of your parents could desensitise and become less loving because you had not done what was expected of you. You had your duties, and you were expected to carry them out, which you did in your own time. You may have been considered untidy because one of your parents had very high expectations and you felt you had to live up to

them. You were expected to be quiet and good, so it felt good to escape into a world of your own. With your childhood sensitivity and vivid imagination you could easily escape through reading and music, or any other form of creative expression. You were a very shy child, and you may have been afraid to join groups, preferring one-to-one relationships, yet you longed to join in with the fun of group involvement. As you grew older you became a realist; you could see escapism didn't work. You had to develop your communication skills and gain confidence. You have a tendency to take on the role of hard worker for your family. You may feel you have to pay the bills and take care of the general running of household duties. It can be difficult for you to allocate duties to other family members because you sacrifice in service for them. Your sensitivity to your family past, whether mental, physical or spiritual will manifest in your work ethics; and you will consider family needs ahead of your own. You will work hard to create an ideal family/home situation for your family, and you may consider it your duty to take responsibility for the welfare of your family.

7.7 MC LIBRA - IC ARIES

You could have been placed in a take-charge position at a young age due to family circumstances, but this helped you to develop personal independence. You may have faced aggression in friendship in your primary years, but you learned to walk away from aggression and people who try to control you. You do not like to get involved in conflicts, but if you are pushed to your limit, you will break friendships that are not compatible. You do not like upheaval in your life, you like to balance relationships, and you tend to take the supportive role in friendship; this strengthens your friendships and relationships, and gives you a sense of inner satisfaction. In your childhood, you were exposed to issues of leadership (you had to learn to become independent). You either played the leading role, or you were led around by friends; from this you learned to balance relationships give and take equally. You are only too willing to help or support your friends; you are there for them and you will back them when they need you, but you believe in equal sharing and balanced relationships; if relationships are not balanced, you will walk away. Relationships have to be on an equal footing; you are not dependent on others, and you are quite happy to be on your own. Although you enjoy socialising, you have a preference for one-to-one relationships. You show a charming and diplomatic face to the world and you have good public relations skills; however if anyone tries to dominate your independence, you will exert your will and stand your ground on principle; you may have lost friends through this. When your relationships are based on equal sharing you feel good about yourself.

7.8 MC SCORPIO - IC TAURUS

In your childhood secrets were withheld; this could have made you feel uncertain in the more secretive areas of family circumstance. You were not allowed to talk about issues involving private family concerns outside the family family business was private and personal. Your mother supported you in school activities and outings, she created the family interests. These family interests can have accentuated the separate values of each family member resulting in a feeling of exclusion in matters that did not include you. Other peoples needs and values dominated, so you tended to help in support of their needs and values because you wanted to feel included and you usually did as you were asked. When everything is going right for those around you, you feel inwardly fulfilled, therefore you will try to give all the help and support you can to others. In public, you tend to wear a mask; you may feel that other people would not want to be with you if they knew the inner you. You keep your ear to the ground because you suspect that other people can talk and you like to know what is going on around you. You are sensitive to the environmental energy and you can pick up on the general tenor that exists beneath the surface in your surroundings, you need to know that you are accepted by those around you and that they are happy with your involvement. You may search for a deeper understanding behind the meaning of life because you are consciously aware of the higher realms of existence which you seek to understand more deeply.

7.9 MC SAGITTARIUS - IC GEMINI

As a child, your parents did not molycoddle you. You could have felt an island unto yourself, too shy to communicate, and in particular, at school. Perhaps you felt little children should be seen and not heard. You may have felt remote from your siblings. At school, you were shy, you did not speak up in class, and you did not make friends easily. You may have faced difficulty with education through a lack of stimulation, and you could have felt ostracised by some children; therefore primary school could have been a constrictive experience rather than a free-flowing one. You may have found it difficult to communicate with one of your parents who may have had different opinions from you which could have led to a lack of connection. You may have lost touch with some family members. As an adult you enjoy change, whether it is the house, the décor or the furniture; routine is boring and you are basically restless. Your inquisitive mind will drive you to study and obtain knowledge that can be useful in the outside world and you will inform and teach others through your own experience and knowledge. You are interested in learning about people across the board, but especially their origins and their lifes experiences. You help people through lifes experiences because you have a good understanding of the things that trouble most people. You are not pretentious in public; what you see is what you get and you prefer to speak to people and not at them. You love to share any exciting knowledge you may have learned because you genuinely enjoy sharing new information and knowledge with others. You have a good sense of humour and you enjoy making other people laugh. You believe laughter is the best medicine and you tend to look on the bright side of life.

7.10 MC CAPRICORN - IC CANCER

As a child you were self-protective. You may have felt a lack of security over things you could not control which could have made you feel anxious. You were well provided for by your mother, but emotional or parental conflicts had a strong effect on you. Your relationship with your mother was sensitive or clinging; you needed to feel secure and protected, but often you felt your mother was not around, either physically or emotionally which could have made you feel anxious (especially if the MC is badly aspected in your chart) otherwise your childhood was well provided for. Worry over security and protection could have caused anxiety; you needed a peaceful environment, and you needed to feel a sense of belonging; to be part of the family. Should anything threaten that feeling, anxiety would be the result. Anxiety over family conflict may have disturbed you because you wanted everything to be calm, and family security was so very important to you. Your early childhood environment may have affected you on an emotional level, and this could have interfered with your ability to place your trust in close friendships and relationships. It was generally accepted that you would do well, and through this, you placed internal pressure on yourself to deliver. As you grew up, you gained a strong sense of having to build your own family structures, to move away from the past and take responsibility. Although you had a strong need for parental approval and respect, you came to realise that you could not lean on anyone else but yourself, and that you had to become self-sufficient. You try to encourage people to be the best that they can be. You build up other peoples confidence and self-esteem which helps them realise their goals; then you feel happy and you release them. You acknowledge ethically correct standards of conduct that you feel are correct for you.

7.11 MC AQUARIUS - IC LEO

As a child you were sociable and you tried hard to fit in with your family. You craved affection but you may not have received as much affection as you wanted which could have led to feelings of insecurity. High expectations may have been placed on you and you were expected to act in a proper manner. Social or class distinctions may have been an issue and this you may carry into your adult years. When you went out into the world you were friendly, but detached. You have your own personal interests and you prefer not to make friends with work associates. If work associates need you, you will support them and understand their needs, but once you have done this you will detach. You prefer to be independent. You recognise other peoples strengths and you will encourage and acknowledge them. You are a humanitarian and you work for the good of people. You dont like undercurrents of ill feeling and discontent; you like to know what is wrong and you try to solve problems in a humanitarian way, but with straight talk. You treat all people equally; without class distinction. You are a humanitarian and you will defend, or help the underprivileged in society because you enjoy doing the little things that count en masse for people. You take the time to listen to other peoples woes, and if you can brighten up their day, you feel good about yourself; this is all part of your helpfulness to humanity. You identify with people because people are people and you are one of them; do unto others as you would be done by. You believe in equal rights and opportunity for all people and you play fair. Socio-economic class and family

values are strong, but you believe we are all equal and we should all get along in friendship and social equality.

7.12 MC PISCES - IC VIRGO

As a child you loved books and you enjoyed reading. You may have been exposed to family health issues in your growing-up years where one of your parents may have been associated with hospitals and/or healthcare, or had an interest in health issues such as healthy living, good food and good manners. You may have been at the mercy of family circumstances, but you developed humility and inner faith. You could have worried about issues of security, things that might happen, these things may have been non-specific, but they caused you to worry. Stress-related health conditions within the family could have given you the impression that you had to be good, and you did as you were told. One of your parents may have worried over small things, and could have suffered from stress-related illnesses. You tried to be quiet and not to upset anyone. Through family difficulties, you were expected to help, and you assumed childhood duties to reduce stress. You did this as a form of love and approval. You may have felt remote from a parent at some stage in your growing-up years. You developed a very deep understanding of what suffering was. You show sensitivity and compassion to those who are afflicted, whether through health conditions or social problems. You will empathise with them on a deep level to make them feel better. Your approach to the world is to alleviate the pain and suffering you see in society and through this you can feel spiritually uplifted.

8 References

8.1 Images

Cover <http://patentimages.storage.googleapis.com/WO1999000781A1>

Figure 2 <http://astrobob.areavoices.com/files/2011/11/North-pole-diurnal-1024x505.jpg>

Figure 3 <http://prvopodstata.blog.cz/1208/zakriveni-zeme>

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Figure 4 <http://physics.weber.edu/schroeder/ua/CelestialSphere.png>

Figure 5 & 6 <http://star-www.st-and.ac.uk/fv/webnotes/chapter9.htm>

Figure 7 <https://dept.astro.lsa.umich.edu/ugactivities/Labs/precession>

Figure 8 <http://www.hko.gov.hk/gts/time/calendarinfoimages/image003e.gif>

Figure 9 <http://7promeniv.com.ua>

Figure 10 <http://zakeiabn.wikispaces.com/file/view/>

Figure 11 <http://astro.unl.edu/classaction/animations/coordsmotion/sunmotions.html>
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Figure 15 <http://what-is-astrology.com/img/ZodiacRuler.gif>

8.2 Internet

Chapter 7 <http://marianneohagan.com/astrology/asc-dec-axis-and-mc-ic-axis/the-mc-ic-axis>

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8.3 Literature

Chapter 3.3 Astrologische berekeningen, Ike Nagelkerke; page 39